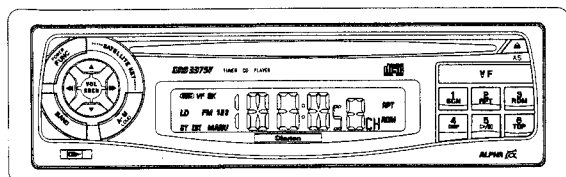
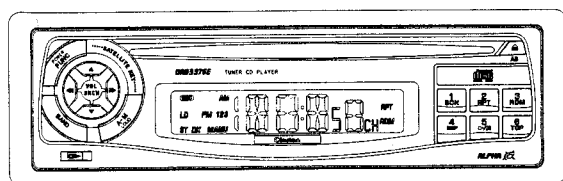


# Service Manual



Model DRB 3375V



Model DRB 3376E

## FM-MPX Radio CD Combi with VF Decoder

Model **DRB3375V**  
(PE-2244E)

## FM-MPX/MW/LW Radio CD Combi

Model **DRB3376E**  
(PE-2245E-A/illumination:Amber)  
(PE-2245E-B/illumination:Green)

## ■ ORIGINAL SERVICE MANUAL

This additional service manual is designed to be used together with Model DRB3275V/DRB4275E

Original model	Manual No.
DRB3275V/DRB4275E	298-5416-00

+4/11

## ■ SPECIFICATIONS

### Radio Section

Tuning system:	PLL synthesizer
Receiving frequencies:	FM 87.5 to 108MHz
(DRB3376E only)	MW 531 to 1,602kHz
(DRB3376E only)	LW 153 to 279kHz

### CD section

System:	Compact disc audio
Sampling frequency:	44.1kHz
Oversampling:	8 times
Converters:	Dual 1-bit digital/analog converters
Frequency response:	20 to 20kHz(±1dB)
Dynamic range:	95dB(1kHz)

### General

Power supply voltage:	DC14V (10.8 to 15.6V allowable)
	Negative ground
Power consumption:	Less than 10A

Speaker impedance:	4Ω (4 to 8Ω allowable)
Auto antenna rated current:	350mA or less
Dimensions (mm):	178(W) x 50(H) x 152(D)
Weight:	1.6kg (3.52lb)

## ■ FEATURES

1. Automatic Traffic Information Station Tuning (VF, DRB3375V only)
2. 24 presets (18FM,6MW/LW, DRB3376E only)
3. 18 presets (18FM,DRB3375V only)
4. Dual 1-bit "Bit-stream" D/A converters
5. Plays 8cm discs
6. High power 30W x 4 ch max.
7. Fully detachable control panel

## ■ COMPONENTS

PE-2244E-A, PE2245E-A/E-B

Main unit		1
Mounting bracket	300-9035-03	1
Hook plate	330-8216-0L	2
Outer Escutcheon	370-5656-02	1
Screw	716-0726-01	1
DCP case	335-5331-00	1
Spacer	345-3653-01	1

\* For improvement purposes, specifications and design are subject to change without prior notice.

## ■ To engineers in charge of repair or inspection of our products.

Before repair or inspection, make sure to follow the instructions so that customers and Engineers in charge of repair or inspection can avoid suffering any risk or injury.

### 1. Use specified parts.

The system uses parts with special safety features against fire and voltage. Use only parts with equivalent characteristics when replacing them.

The use of unspecified parts shall be regarded as remodelling for which we shall not be liable. The onus of product liability (PL) shall not be our responsibility in cases where an accident or failure is as a result of unspecified parts being used.

### 2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to PWB, etc, is involved. The wiring connection and routing to the PWB are specially planned using clamps to keep away from heated and high voltage parts. Ensure that they are placed back in their original positions after repair or inspection.

If extended damage is caused due to negligence during repair, the legal responsibility shall be with the repairing company.

### 3. Check for safety after repair.

Check that the screws, parts and wires are put back securely in their original position after repair. Ensure for safety reasons there is no possibility of secondary problems around the repaired spots.

If extended damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

### 4. Caution in removal and making wiring connection to the parts for the automobile.

Disconnect the battery terminal after turning the ignition key off. If wrong wiring connections are made with the battery connected, a short circuit and/or fire may occur. If extensive damage is caused due to negligence of repair, the legal responsibility shall be with the repairing company.

### 5. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, capacitors, diodes, transistors, etc). The negative pole of tantalum capacitors is highly susceptible to heat, so use special care when replacing them and check the operation afterwards.

### 6. Cautions in handling flexible PWB

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than three times) to the same patterns. Also take care not to apply the tip with force.

### 7. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

### 8. Cautions in checking that the optical pickup lights up. The laser is focused on the disc reflection surface through the lens of the optical pickup. When checking that the laser optical diode lights up, keep your eyes more than 30cms away from the lens. Prolonged viewing of the laser within 30cms may damage your eye-sight.

### 9. Cautions in handling the optical pickup

The laser diode of the optical pickup can be damaged by electrostatic charge caused by your clothes and body. Make sure to avoid electrostatic charges on your clothes or body, or discharge static electricity before handling the optical pickup.

### 9-1. Laser diode

The laser diode terminals are shorted for transportation in order to prevent electrostatic damage. After replacement, open the shorted circuit. When removing the pickup from the mechanism, short the terminals by soldering them to prevent this damage.

### 9-2. Actuator

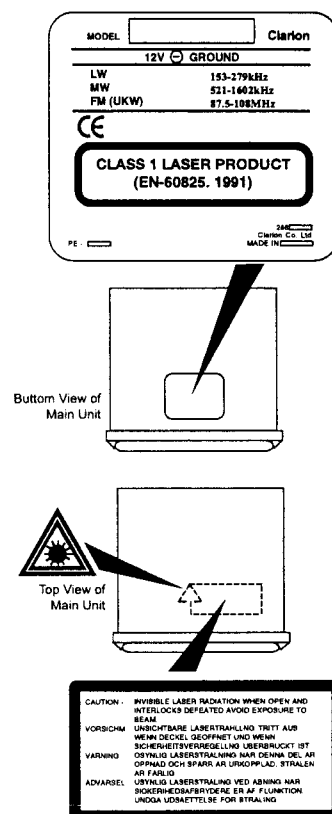
The actuator has a powerful magnetic circuit. If a magnetic material is put close to it. Its characteristics will change. Ensure that no foreign substances enter through the ventilation slots in the cover.

### 9-3. Cleaning the lens

Dust on the optical lens affects performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

## ■ CAUTIONS

This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT". To use this model properly, read this Owner's Manual carefully and keep this manual for your future reference. In case of any trouble with this player, please contact your nearest "AUTHORIZED services station". To prevent direct exposure to the laser beam, do not try to open the enclosure.



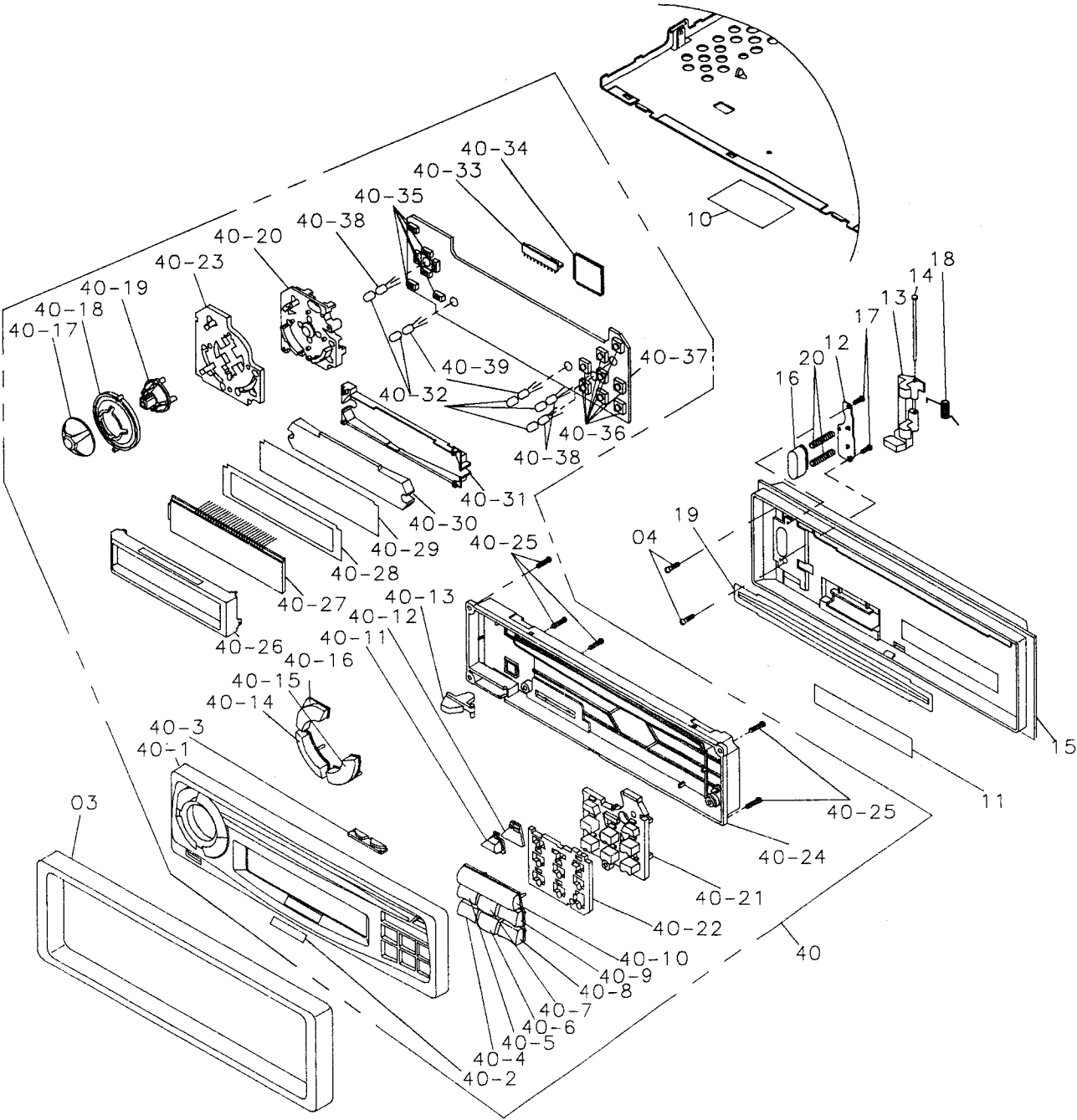
DIFFERENT FROM ORIGINAL MODEL

1. Escutcheon parts and mounting parts of the main section.
2. Main PWB circuit
3. Switch PWB circuit

EXPLODED VIEW • PARTS LIST

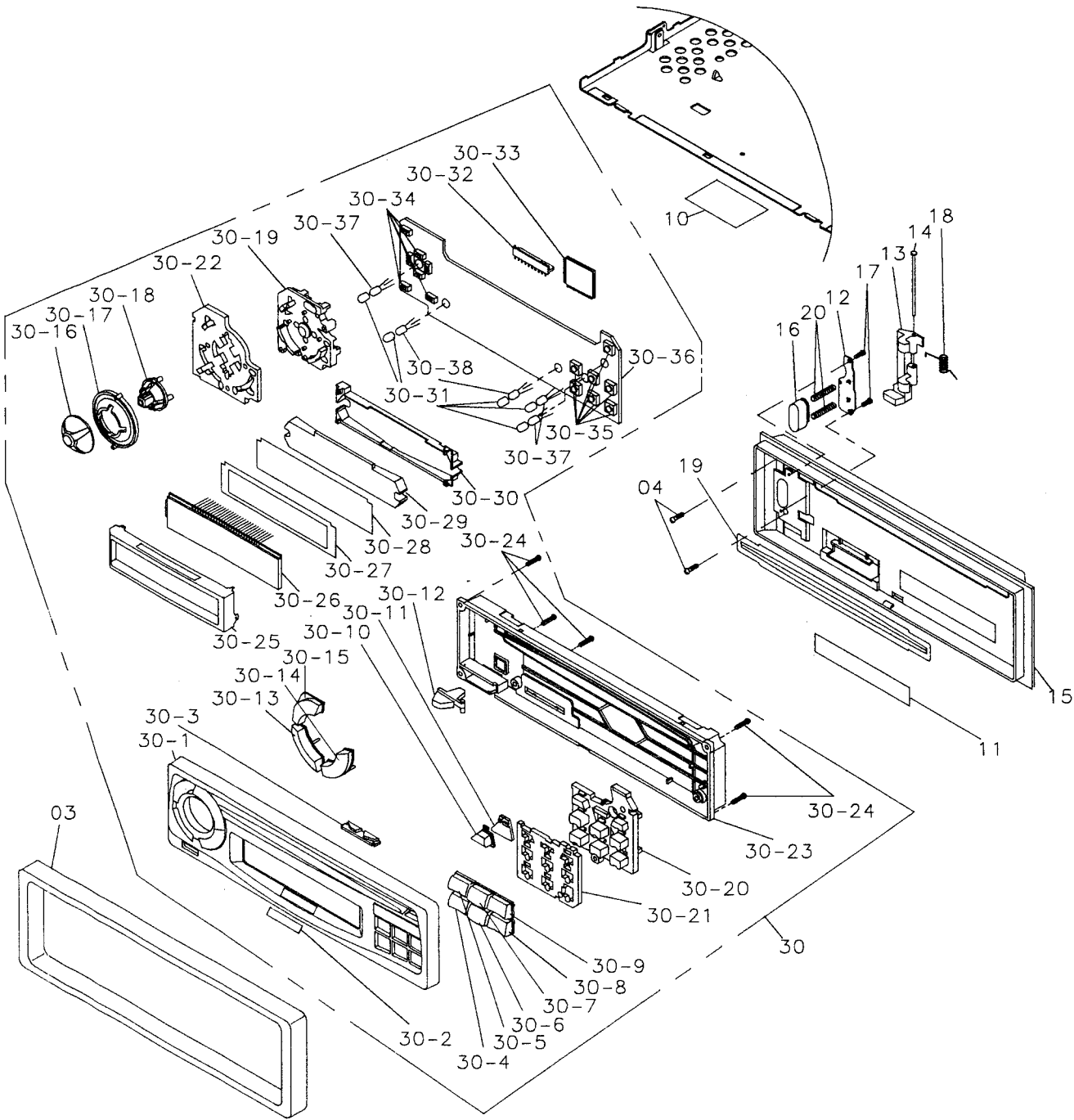
(PE-2244E-A)

REF NO.	PART NO.	DESCRIPTION	Q'TY	REF NO.	PART NO.	DESCRIPTION	Q'TY
03	370-5656-02	OUTER ESCUTCHEON	1	40-16	382-4393-20	BUTTON (FUNC/POWER)	1
04	716-1792-00	MACHINE SCREW	2	40-17	380-5394-20	KNOB (JOG)	1
10	286-8713-00	SETPLATE	1	40-18	335-5297-00	JOG PLATE	1
12	331-2002-00	SPRING HOLDER	1	40-19	335-5298-00	JOG ARM	1
13	335-5312-00	HOOK	1	40-20	335-5307-00	ILLUMI PLATE (L)	1
14	341-1627-20	SHAFT	1	40-21	335-5306-00	ILLUMI PLATE (R)	1
15	370-5655-00	INNER-ESCUTCHEON	1	40-22	345-7817-21	SPONGE (R)	1
18	750-3219-20	SPRING	1	40-23	345-7818-21	SPONGE (L)	1
40	940-1803A	DCP ASSY	1	40-24	335-5296-00	REAR COVER	1
40-1	370-5640-20	ESCUTCHEON	1	40-25	716-1721-00	P-TIGHT SCREW	5
40-2	378-0148-00	BADGE	1	40-26	331-2014-00	LCD COVER	1
40-3	335-4874-20	DOOR ILLUMI	1	40-27	379-1067-21	INDICATOR	1
40-4	382-4421-21	BUTTON (4 DISP)	1	40-28	347-5366-20	FILM	1
40-5	382-4418-21	BUTTON (1 SCN)	1	40-29	347-5365-20	SHADE	1
40-6	382-4422-21	BUTTON (5>/  )	1	40-30	335-5308-00	LCD ILLUMI	1
40-7	382-4419-21	BUTTON (2 RPT)	1	40-31	335-5309-00	LCD HOLDER	1
40-8	382-4423-21	BUTTON (6 TOP)	1	40-32	345-4441-58	LAMP CAP (AMBER)	5
40-9	382-4420-21	BUTTON (3 RDM)	1	40-33	076-0522-00	PLUG	1
40-10	382-4417-21	BUTTON (VF)	1	40-34	051-6016-00	IC	1
40-11	382-4453-00	BUTTON (EJECT)	1	40-35	013-3812-11	TACT SWITCH	7
40-12	335-5286-00	BUTTON HOLDER	1	40-36	013-6002-50	TACT SWITCH	8
40-13	382-4470-00	BUTTON (RELEASE)	1	40-37	039-0821-00	SWITCH PCB	1
40-14	382-4395-20	BUTTON (BAND)	1	40-38	017-0410-00	PILOT LAMP	3
40-15	382-4397-20	BUTTON (AM/LOUD)	1	40-39	017-0414-00	PILOT LAMP	2



EXPLODED VIEW • PARTS LIST  
(PE-2245E-A/B)

REF NO.	PART NO.	DESCRIPTION	Q'TY	REF NO.	PART NO.	DESCRIPTION	Q'TY
03	370-5656-02	OUTER ESCUTCHEON	1	30-16	380-5394-20	KNOB (JOG)	1
04	716-1792-00	MACHINE SCREW	2	30-17	335-5297-00	JOG PLATE	1
10	286-8715-00	SETPLATE	1	30-18	335-5298-00	JOG ARM	1
12	331-2002-00	SPRING HOLDER	1	30-19	335-5307-00	ILLUMI PLATE (L)	1
13	335-5312-00	HOOK	1	30-20	335-5306-00	ILLUMI PLATE (R)	1
14	341-1627-20	SHAFT	1	30-21	345-7817-21	SPONGE (R)	1
15	37-5655-00	INNER-ESCUTCHEON	1	30-22	345-7818-21	SPONGE (L)	1
18	750-3219-20	SPRING	1	30-23	335-5296-00	REAR COVER	1
30	940-1804A	DCP ASSY (PE-2245E-A)	1	30-24	716-1721-00	P-TIGHT SCREW	5
30	940-1805A	DCP ASSY (PE-2245E-B)	1	30-25	331-2014-00	LCD COVER	1
30-1	370-5640-21	ESCUTCHEON	1	30-26	379-1067-21	INDICATOR	1
30-2	378-0148-00	BADGE	1	30-27	347-5366-20	FILM	1
30-3	335-4874-20	DOOR ILLUMI	1	30-28	347-5365-20	SHADE	1
30-4	382-4421-21	BUTTON (4 DISP)	1	30-29	335-5308-00	LCD ILLUMI	1
30-5	382-4418-21	BUTTON (1 SCN)	1	30-30	335-5309-00	LCD HOLDER	1
30-6	382-4422-21	BUTTON (5>/I)	1	30-31	345-4441-58	LAMP CAP (AMBER)	5
30-7	382-4419-21	BUTTON (2 RPT)	1		345-2830-20	LAMP CAP (GREEN)	5
30-8	382-4423-21	BUTTON (6 TOP)	1	30-32	076-0522-00	PLUG	1
30-9	382-4420-21	BUTTON (3 RDM)	1	30-33	051-6016-00	IC	1
30-10	382-4453-00	BUTTON (EJECT)	1	30-34	013-3812-11	TACT SWITCH	7
30-11	335-5286-00	BUTTON HOLDER	1	30-35	013-6002-50	TACT SWITCH	7
30-12	382-4470-00	BUTTON (RELEASE)	1	30-36	039-0821-00	SWITCH PCB	1
30-13	382-4395-20	BUTTON (BAND)	1	30-37	017-0410-00	PILOT LAMP	3
30-14	382-4397-20	BUTTON (AM-LOUD)	1	30-38	017-0414-00	PILOT LAMP	2
30-15	382-4393-20	BUTTON (FUNC/POWER)	1				



## ELECTRICAL PARTLIST

Note: Several different parts with the same part number are alternative parts. One of those parts is used in the set.

### Main PWB Section

REF No.	PART No.	DESCRIPTION
D 410	001-0346-47	MTZ9.1JB
Q 413	103-1858-00	2SD1858

REF No.	PART No.	DESCRIPTION
Q 414	103-1858-00	2SD1858
R 415	111-1091-10	1/4WS 1Ω

REF No.	PART No.	DESCRIPTION
R 416	111-1091-91	1/4WS 1Ω
R 417	111-4711-91	1/4WS 470Ω

### Switch PWB Section

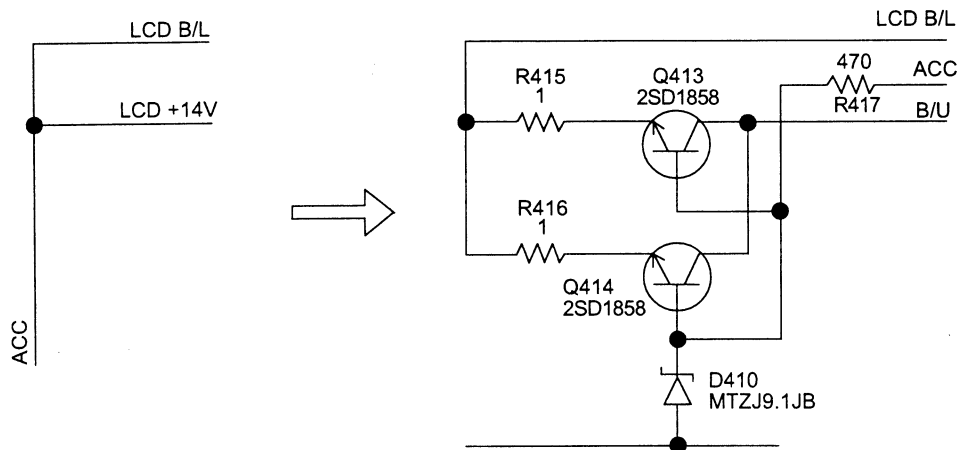
REF No.	PART No.	DESCRIPTION
C 101	183-1063-32	16V-10
C 102	178-6812-05	680pF
C 103	178-4732-05	0.047μF
D 101	001-0330-90	1SS119
IC 101	051-6016-00	LW75852W
R 101	117-1021-05	1/10WS 1kΩ
R 102	117-1021-05	1/10WS 1kΩ
R 103	117-1021-05	1/10WS 1kΩ
R 105	117-1031-05	1/10WS 10kΩ
R 106	117-2231-05	1/10WS 22kΩ
R 107	117-6831-08	1/10WS 68kΩ

REF No.	PART No.	DESCRIPTION
R 108	117-2731-05	1/10WS 27kΩ
R 109	117-6821-05	1/10WS 6.8kΩ
PL 101	017-0410-00	14V40mA
PL 102	017-0410-00	14V40mA
PL 103	017-0410-00	14V40mA
PL 104	017-0414-00	8V70mA
PL 105	017-0414-00	8V70mA
S 101	013-3812-11	SKQCAC
S 102	013-6002-50	SKHVRC343
S 103	013-6002-50	SKHVRC343
S 104	013-3812-11	SKQCAC

REF No.	PART No.	DESCRIPTION
S 105	013-3812-11	SKQCAC
S 106	013-6002-50	SKHVRC343
S 107	013-6002-50	SKHVRC343
S 108	013-3812-11	SKQCAC
S 109	013-3812-11	SKQCAC
S 110	013-6002-50	SKHVRC343
S 111	013-3812-11	SKQCAC
S 112	013-6002-50	SKHVRC343
S 113	013-6002-50	SKHVRC343
S 114	013-3812-11	SKQCAC
S 115	013-6002-50	SKHVRC343

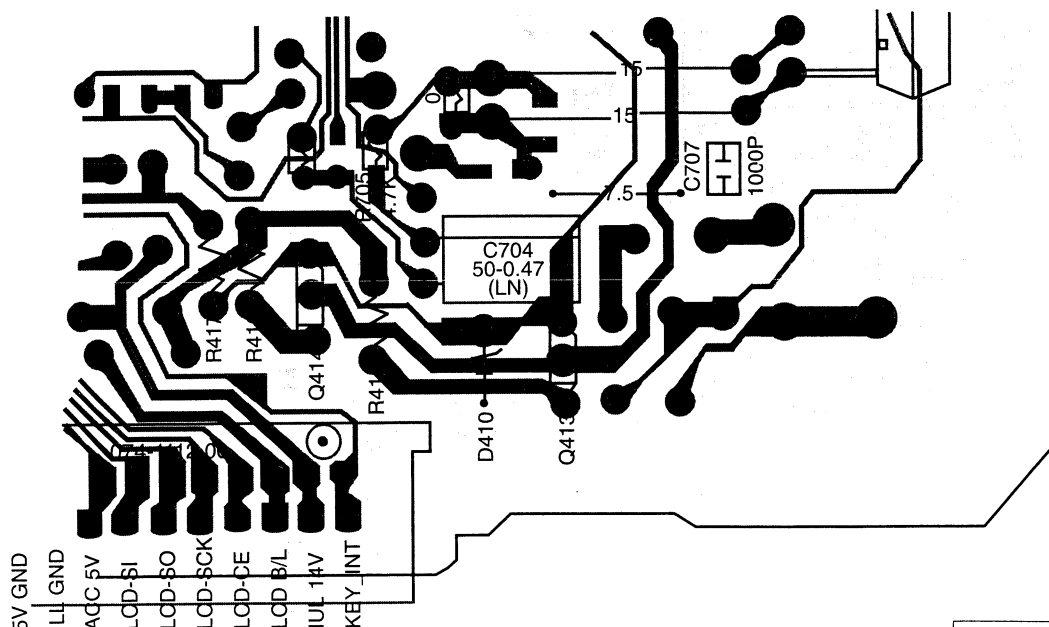
## CIRCUIT DIAGRAM

Main/RCA PWB section 1/2

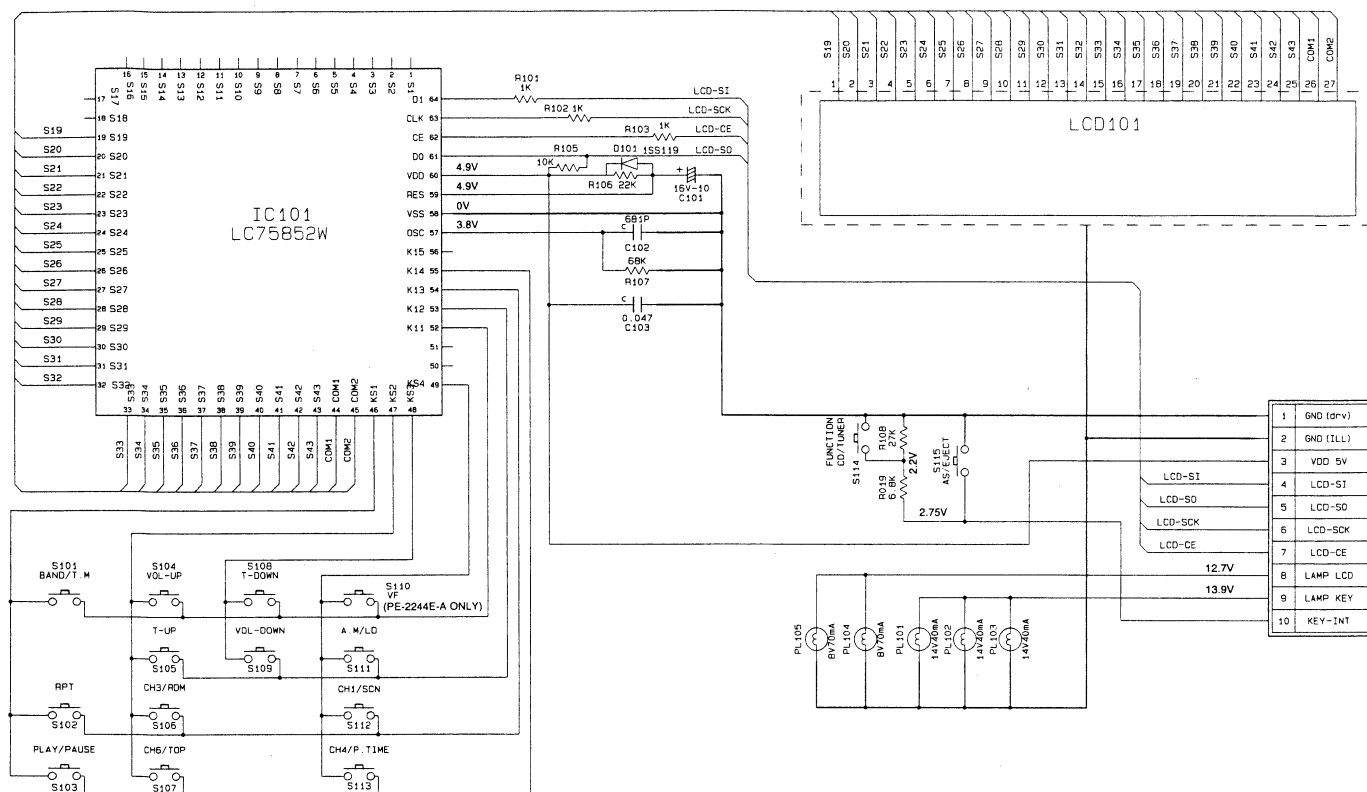


## PRINTED WIRING BOARD

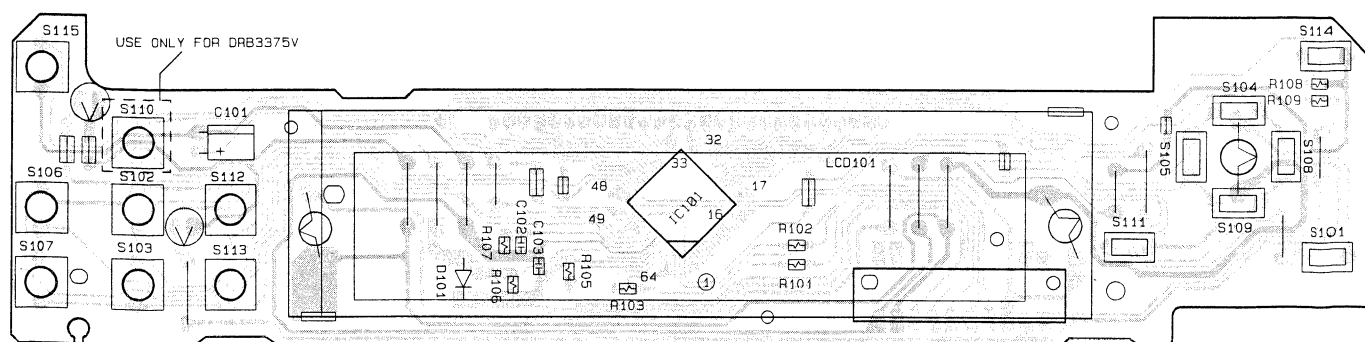
Main/RCA PWB section 1/2



## Switch PWB section 1/3



## switch PWB section 1/3



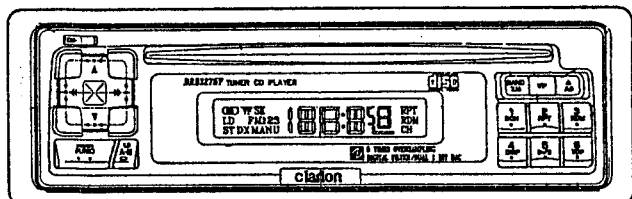
**clarion**

# Service Manual

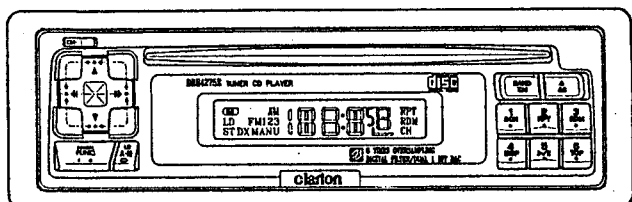


Published by Service Dept.

CLAR-00411



Model DRB3275V



Model DRB4275E

## FM Radio CD Combination with VF Decoder

Model **DRB3275V**  
(PE-2205E)

## FM/MW/LW Radio CD Combination

Model **DRB4275E**  
(PE-2206E-A/illumination:Amber)  
(PE-2206E-B/illumination:Green)

## SPECIFICATIONS

### Radio section

Tuning system: PLL synthesizer

Receiving frequencies:

FM 87.5 to 108MHz

(DRB4275E only) MW 531 to 1,602kHz

(DRB4275E only) LW 153 to 279kHz

### CD section

System: Compact disc audio

Sampling frequency:

44.1kHz

Oversampling: 8times

Converters: Dual 1-bit digital/analog converters

Frequency response:

20 to 20,000Hz(± 1dB)

Dynamic range: 95dB(1kHz)

### General

Power supply voltage:

DC14V(10.8 to 15.6V allowable)

Negative ground

Power consumption:

Less than 10A

Speaker impedance:

4Ω (4 to 8Ω allowable)

Auto antenna rated current:

350mA or less

Dimensions:

Width 178mm

Height 50mm

Depth 152mm

Weight:

1.6kg

※ For improvement purposes, specifications and design are subject to change without prior notice.

## FEATURES

Automatic Traffic Information Station Tuning(VF, DRB4275E only)

24 presets(18FM, 6MW/LW, DRB4275E only)

18 presets(18FM, DRB3275V only)

Dual 1-bit "Bit-stream" D/A converters

Plays 8cm discs

High power 30W X 4 max.

Fully detachable control panel

## COMPONENTS

PE-2205E-A, PE-2206E-A/E-B

Main unit		1
Mounting bracket	300-9035-03	1
Hook plate	330-8216-0L	2
Escutcheon	370-9006-22	1
Screw	716-0726-01	1
A-lead	850-6681-00	1
DCP case(DRB4275E only)	335-4848-03	1

## CAUTIONS

1. This appliance contains a laser system and is classified as a "CLASS 1 LASER PRODUCT".
2. Use of controls or adjustments or performance of procedures other than those specified in the service manual may result in hazardous radiation exposure.
3. Static discharges can destroy expensive component. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit (heavy gauge black wires connect to this buss).
4. Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.
5. Use of controls or adjustments or performance of

procedures other than those specified herein may result in hazardous radiation exposure. Do not look into the optical lens at anytime.

#### 6. Precautions for servicing the CD player

6-1. When replacing the pickup unit, take a countermeasure for electrostatic destruction (protection with a short pin, etc.) to be careful in handling.

6-2. When disassembling, be sure to turn off the power. Disconnecting a connector during power-on may destroy the internal IC.

#### 7. Precautions for handling the pickup

##### 7-1. Destruction due to surge current or static electricity

If a large current flows to the LD even for a very short period, deterioration is promoted by a strong light emitted by itself, or it is destroyed. See to it that the LD drive circuit will not be exposed to a surge current caused by a switch and others. If you handle it carelessly, it will be destroyed instantaneously by static electricity applied from a human body. The terminals of the LD have been shorted in order to protect them against electrostatic destruction caused by transportation upon shipment. To make safety doubly sure, earth a human body, instruments, and jigs without fail when installing. It is recommended to spread a ground mat on a work bench or the floor for grounding. To open the shorted parts, use a soldering iron after inserting a connector. Use the sol-

dering iron whose metallic part is earthed or whose insulation resistance is 10M ohm or more (500C DC) in 5 minutes after turning on the power, and whose temperature at its tip is 320°C or less (30W), and work quickly. Depending on mechanism, when removing the flexible P.W.B., short it.

##### 7-2. 2-axis block

###### Actuator

The actuator has a powerful magnetic circuit. If a magnetic substance is put close to it, its characteristics will change. Also see to it that no foreign substances will enter through the clearance of the cover.

###### Cleaning the lens

Adherence of dust to the objective reduces performance. To clean the lens, apply a small amount of isopropyl alcohol to lens paper and wipe the lens gently.

##### 7-3. Handling

a) When handling the pickup drive unit, hold the resin mold chassis.

b) Note that if the circuitry of the printed circuit board is directly touched by a hand or other substances, the LD may be deteriorated.

c) If you directly touch the pins of the flexible connector with hand, the LD will be deteriorated. When removing the mechanism from the set, be fully careful in handling.

## DURING REPAIR OR INSPECTION, OBSERVE THE FOLLOWING.

#### 1. Use specified parts.

The system uses parts with special safety characteristics against flame and voltage. Use only parts with equivalent characteristics when replacing them.

#### 2. Place the parts and wiring back in their original positions after replacement or re-wiring.

For proper circuit construction, use of insulation tubes, bonding, gaps to P.W.B. etc. is involved. The wiring connection and routing to the P.W.B. are specially devised using clamps to keep away from heated and high-voltage parts. So, make sure to replace them back in their original positions after repair or inspection.

#### 3. Check for safety after repair.

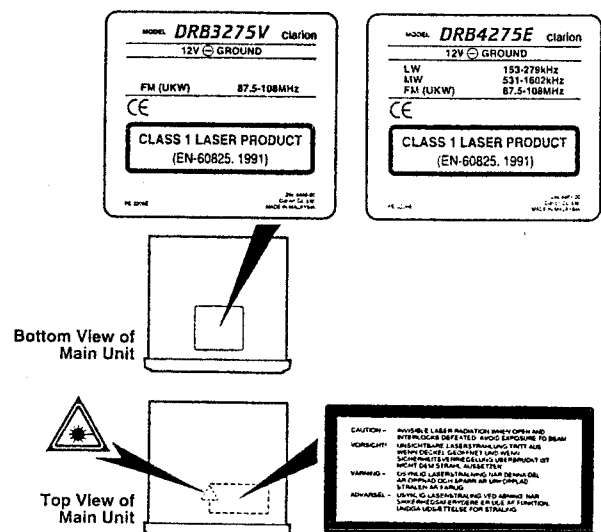
Check that the screws, parts, and wires are put back securely in their original position after repair. And make sure for safety reasons there is no possibility of secondary problems around the repaired spots.

#### 4. Cautions regarding chips.

Do not reuse removed chips even when no abnormality is observed in their appearance. Always replace them with new ones. (The chip parts include resistors, condensers, diodes, transistors, etc.). The negative pole of tantalum condensers is highly susceptible to heat, so use special care when replacing them, and check operation afterward.

#### 5. Cautions in handling flexible P.W.B.

Before working with a soldering iron, make sure that the iron tip temperature is around 270°C. Take care not to apply the iron tip repeatedly (more than 3 times) to the same patterns. Also take care not to apply the tip with force.



## ERROR DISPLAY

To protect the system, this unit has been equipped with self diagnostic functions. If a fault arises, a warning is issued by various error displays. Follow the corrective measure and remove the fault.

Error display	Corrective measure
E r 2	This error display indicates that a fault has arisen in the mechanism of the main unit (for example, the disc cannot be changed or ejected). → Check the main unit.
E r 3	This error display indicates that the pickup focus is off because of a scratched disc or some other factor during the main unit play. → Check the compact disc.



# EXPLANATION OF IC

LC72366-9205 052-1903-01 Tuner & CD Mechanism Controller

Outward Form

80pins, plastic QFP

Terminal Description

Pin No.	Symbol	I/O	Function															
80	XOUT	O	Terminal for 4.5MHz X' tal oscillator															
1	XIN	I																
2	TEST2	—	LSI test terminal. Connected to GND.															
3	LCD SI	I	LCD driver serial I/O terminal group.															
4	LCD SO	O																
5	LCD SCK	O	LC75852 is used.															
6	LCD CE	O																
7	LDON	O	ON/OFF control output terminal of APC amplifier for laser output control "L": laser "ON"															
8	CHA SW		Chucking SW input terminal. This terminal detects chucking completion of the disc. When a disc is loaded and chucking SW is ON, "L" is input.															
9	MCW	O	Control terminal of loading motor.															
10	MCCW	O	Disc is loaded and ejected. <table><tr><td></td><td>LOADING</td><td>EJECT</td><td>BRAKE</td><td>STOP</td></tr><tr><td>MCW</td><td>H</td><td>L</td><td>H</td><td>L</td></tr><tr><td>MCCW</td><td>L</td><td>H</td><td>H</td><td>L</td></tr></table>		LOADING	EJECT	BRAKE	STOP	MCW	H	L	H	L	MCCW	L	H	H	L
	LOADING	EJECT	BRAKE	STOP														
MCW	H	L	H	L														
MCCW	L	H	H	L														
11	SQSO	I	Input terminal of SUB-Q data from CXD 2545Q															
12	NC	O	Not used															
13	SQCK	O	SUB-Q data reading clock output terminal from CXD 2545Q															
14	SENS	I	Input terminal of CDIC inner status output from CXD 2545Q XBUSY : During operation of automatic programmable controller, measuring average values and operation of automatic gain control (L) FOK : Focus OK (H) GFS : Regenerated frame sink is obtained at correct timing (H) SSTOP : Limit SW ON (H) OV64 : Spindle motor low speed rotation detection (H)															
15	XRST	O	Reset output terminal to CXD2545Q															
16	CLOCK	O	Serial data transmission clock output terminal to CXD2545Q															
17	XLAT	O	Latch output terminal for serial data of CXD2545Q															
18	DATA	O	Serial data output terminal for controlling CXD2545Q															
19	INIT 7																	
20	INIT 6																	
21	INIT 5																	
22	INIT 4																	
23	INIT 3																	
24	INIT 2																	
25	INIT 1																	
26	INIT 0	O	Initial setting scan terminal															
27	INIT IN	I	Initial setting scan input terminal															
28	TR-C		Mechanical photo sensor input terminal.															
29	TR-B	I	Terminal to detect the disc position in loading status, chucking status and other machine status.															
30	TR-A		With disc, "H" is input. Without disc, "L" is input.															
31	VDD	—	+5V power supply terminal															
32	SCLK	O	SENS data reading clock output terminal from CXD2545Q															
33	VOL SCK		Electronic volume control terminal group															
34	VOL SO	O																
35	VOL CE	O	LC5371M is used.															
36	CD PWR2	O	CD power 2 control output terminal. This port is determined as "H" during CD play, the power is supplied to CDIC. When stopping, the port is switched to "L" after stop of the spindle motor, then the CDIC power is turned OFF.															
37	CD PWR1	O	CD power 1 control output terminal Power is supplied to the CD machine at "H" output.															
38	REM+B	O	Audio system power control terminal															

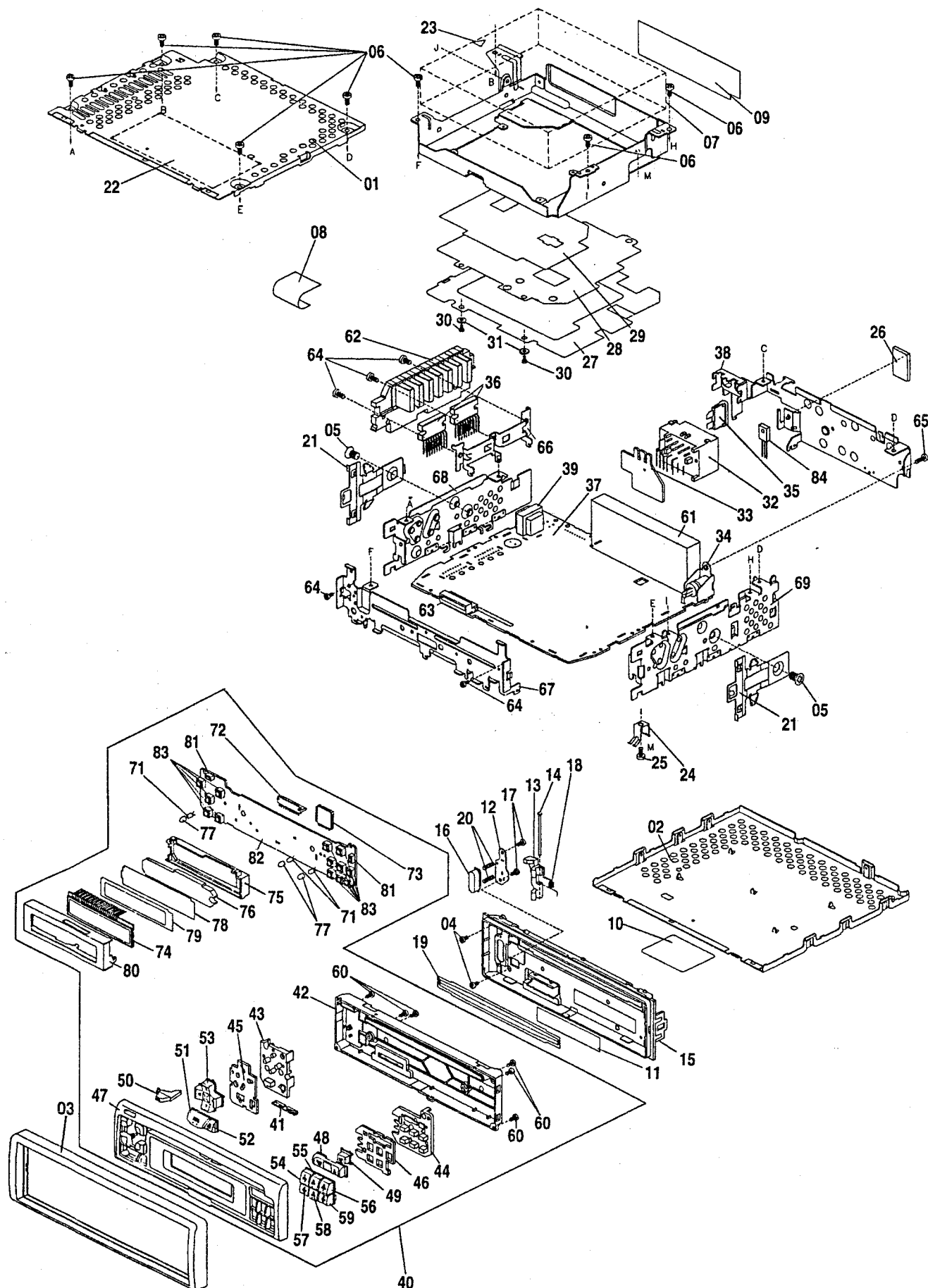
Pin No.	Symbol	I/O	Function
39	MUTE	O	Mute output. Mute ON at "H".
40	AUTO ANT	O	For Japan, "H" is output in radio mode only. For other markets, "L" is always output.
41	AMLOCAL	O	L/M only for Europe. DX/LOCAL control terminal is LOCAL at "H" during AM seeking.
42	AM ST/LW	O	For Japan, "H" is output in ST mode in AM. For Europe with L/M: "H" is output in LW and "L" is output in MW.
43	IF REQ	O	"H" is output during seeking.
44	BEEP	O	BEEP (2.5 KHz) is output in test mode. Terminal for clock deviation check.
45	ROTARY A	I	Rotation VOL input A
46	ROTARY B	I	Rotation VOL input B
47	NC	—	Not used (connected to GND)
48			
49	DK DET	I	For Europe only. DK interrupt input terminal. Interrupt at "H" for both SK and DK only when VF is ON.
50	SK DET	I	For Europe only. "SK" lights at "H". Always off during other modes or seeking.
51	FM SD	I	FM SD input
52	ST	I	FM ST input. "ST" lights at "L". Always off during other modes or seeking. Valid in AM for Japan.
53	NC	I	Not used. (connected to GND)
54	AM SD	I	AM SD input
55	SCOR	I	Signal from sub-code sink SO/ST output terminal of CXD2545Q is input.
56	B/U DET	I	B/U detection terminal. (Used for interruption)
57	FMLOCAL	O	Europe only. DX/LOCAL control terminal is LOCAL at "L" during FM seeking.
58	REM+5	O	Microcomputer pull-up. Power control terminal of LCD driver.
59	AM CONT	O	AM power ON control terminal.
60	FM CONT	O	FM power ON control terminal.
61	NC		Not used (connected to GND)
62	TEMP	I	Thermosensor input terminal (A/D used)
63	KEY AD	I	Detection terminal of EJECT/FUNC/DCP SW. (A/D used)
64			
65	NC	—	Not used (connected to GND)
66			
67	HOLD	I	PLL control, CLOCK STOP mode control terminal.
68	SNS	I	Voltage sense terminal
69	AM IF	I	AM IF counter input
70	FM IF	I	FM IF counter input
71	EO3	O	Charge pump output terminal of 2nd PLL. Not used.
72	SUBPD	O	Sub-charge pump output terminal. Not used
73	VDD	O	+5V power supply terminal
74	AM OSC	I	AM VCO (local oscillation) input terminal
75	FM OSC	I	FM VCO (local oscillation) input terminal
76	VSS		GND terminal
77	EO2	O	Main charge pump output terminal. Not used
78	EO1	O	Main charge pump output terminal.
79	TEST1		LSI test terminal. Connected to GND.

Initial setting (19-26 pin)

INIT0	L:VF ON H:VF OFF	INIT3	Don't care
INIT1	L:L/M OFF H:L/M ON	INIT4	L:Normal VOL specification
INIT2	L:U.S.A. H:Others		H:Rotation VOL specification

# EXPLODED VIEW · PARTS LIST

Main section DRB3275V(PE-2205E)

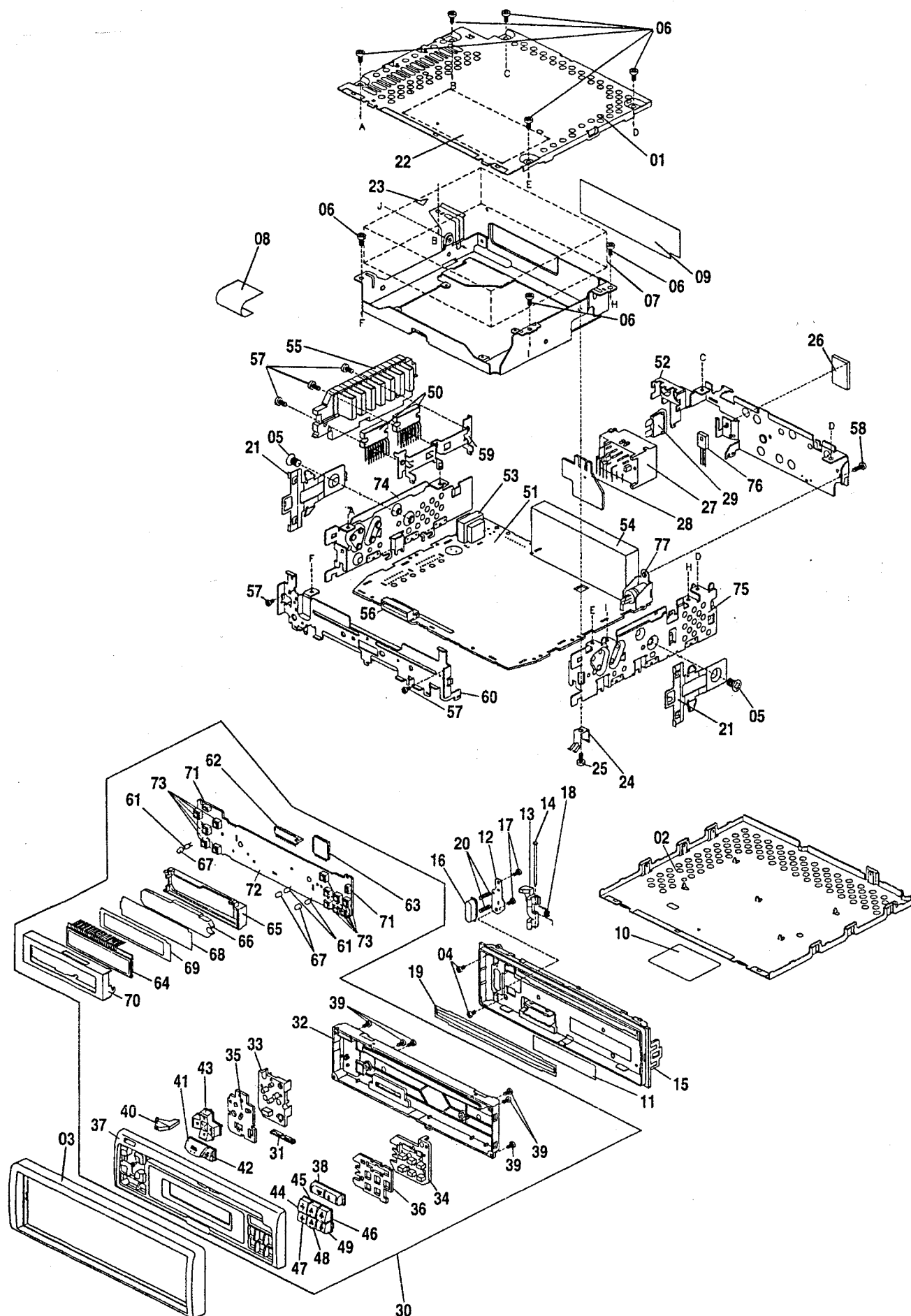


NO.	PART NO.	DESCRIPTION	Q'TY
01	303-0457-20	UPPER-CVR	1
02	304-0440-20	LOWER-CVR	1
03	370-9006-22	OUTER-ES	1
04	714-2004-19	MACHINE SCREW	2
05	714-5008-41	MACHINE SCREW	2
06	731-3006-80	TAPTIGHT	8
07	929-0065-80	CD-MECH-MODULE	1
08	816-2376-00	FLAT CABLE	1
09	347-5215-00	INSULATOR	1
10	286-8488-00	SETPLATE	1
11	291-0074-00	STICKER	1
12	331-0588-20	SPRING HOLDER	1
13	335-4841-00	HOOK	1
14	341-1492-00	SHAFT	1
15	370-5576-01	INNER-ES	1
16	382-4078-00	BUTTON (EJ-OUT)	1
17	716-0778-00	WAVE SCREW	2
18	750-3174-00	SPRING	1
19	346-0097-00	LEATHER SHEET	1
20	750-3173-00	SPRING	2
21	750-2796-0L	SPRING	2
22	285-1340-00	GUIDE LABEL	1
23	285-1426-00	GUIDE LABEL	1
24	331-1825-00	EARTH PLATE	1
25	714-3006-81	MACHINE SCREW	1
26	345-7740-00	RUBBER SHEET	1
27	347-5288-01	INSULATOR	1
28	347-5289-00	SHIELD SHEET	1
29	347-5287-00	INSULATOR	1
30	731-2608-80	TAPTIGHT	2
31	740-2600-11	FLAT WASHER	2
32	074-1115-01	OUTLET SOCKET	1
33	039-0602-00	ISO PWB	1
34	092-9000-00	ANT-RECEPT	1
35	060-0057-56	AUTO-FUSE (10A)	1
36	051-2009-00	IC	2
37	039-0610-01	MAIN PWB	1
38	307-0510-00	REAR-CVR	1
39	009-9006-60	CHOKE	1
40	DCP-089-300	DCP-ASSY	1
41	335-4874-00	ILLUMI-PLATE	1
42	335-5018-00	REAR-CVR	1

NO.	PART NO.	DESCRIPTION	Q'TY
43	335-5019-00	ILLUMI PLATE (L)	1
44	335-5020-00	ILLUMI PLATE (R)	1
45	345-7710-00	SPONGE (L)	1
46	345-7711-00	SPONGE (R)	1
47	370-5574-05	ESCUTCHEON	1
48	382-4076-02	BUTTON	1
49	382-4077-01	BUTTON (VF)	1
50	382-7665-00	BUTTON (RELEASE)	1
51	382-7683-01	BUTTON (POWER)	1
52	382-7684-01	BUTTON (AM)	1
53	382-7685-00	BUTTON (< >)	1
54	382-7703-01	BUTTON (1,SCN)	1
55	382-7704-01	BUTTON (2,RPT)	1
56	382-7705-01	BUTTON (3,RDM)	1
57	382-7706-01	BUTTON (4,DISP)	1
58	382-7707-01	BUTTON (5,PLAY)	1
59	382-7708-01	BUTTON (6,TOP)	1
60	716-1674-0L	P-TIGHT SCREW	6
61	880-1755A	FM TUNER	1
62	313-1643-00	HEAT SINK	1
63	074-1112-00	OUTLET SOCKET	1
64	731-3006-80	TAPTIGHT	5
65	714-3006-81	MACHINE SCREW	1
66	331-1766-00	IC-HOLDER	1
67	309-0664-20	FRONT PLATE	1
68	305-0242-20	SIDE-CVR(L)	1
69	305-0247-20	SIDE-CVR	1
71	017-9000-00	PILOT LAMP	3
72	076-0522-00	PLUG	1
73	051-6016-00	IC	1
74	379-9009-00	INDICATOR	1
75	335-5022-00	LCD HOLDER	1
76	335-5021-00	LCD ILLUMI	1
77	345-4441-65	LAMP CAP	3
78	347-5225-00	FILM	1
79	347-5226-00	SHADE	1
80	331-1784-00	LCD-CVR	1
81	013-3812-11	SWITCH	2
82	039-0608-00	SW PWB	1
83	013-6002-50	SWITCH	13
84	102-3420-00	TRANSISTOR	1

# EXPLODED VIEW · PARTS LIST

Main section DRB4275E(PE-2206E)



NO.	PART NO.	DESCRIPTION	QTY	NO.	PART NO.	DESCRIPTION	QTY
01	303-0457-20	UPPER-CVR	1	40	382-7665-00	BUTTON (RELEASE)	1
02	304-0440-20	LOWER-CVR	1	41	382-7683-01	BUTTON (POWER)	1
03	370-9006-22	OUTER-ES	1	42	382-7684-01	BUTTON (AM)	1
04	714-2004-19	MACHINE SCREW	2	43	382-7685-00	BUTTON (< >)	1
05	714-5008-41	MACHINE SCREW	2	44	382-7703-01	BUTTON (1,SCN)	1
06	731-3006-80	TAPTIGHT	8	45	382-7704-01	BUTTON (2,RPT)	1
07	929-0065-80	CD-MECH-MODULE	1	46	382-7705-01	BUTTON (3,RDM)	1
08	816-2376-00	FLAT CABLE	1	47	382-7706-01	BUTTON (4,DISP)	1
09	347-5215-00	INSULATOR	1	48	382-7707-01	BUTTON (5,PLAY)	1
10	286-8489-00	SETPLATE	1	49	382-7708-01	BUTTON (6,TOP)	1
11	291-0074-00	STICKER	1	50	051-2009-00	IC	2
12	331-0588-20	SPRING HOLDER	1	51	039-0610-01	MAIN PWB	1
13	335-4841-00	HOOK	1	52	307-0510-00	REAR-CVR	1
14	341-1492-00	SHAFT	1	53	009-9006-60	CHOKE	1
15	370-5576-01	INNER-ES	1	54	80-2079-CI	FM/MW/LW TUNER	1
16	382-4078-00	BUTTON (EJ-OUT)	1	55	313-1643-00	HEAT SINK	1
17	716-0778-00	WAVE SCREW	2	56	074-1112-00	OUTLET SOCKET	1
18	750-3174-00	SPRING	1	57	731-3006-80	TAPTIGHT	5
19	346-0097-00	LEATHER SHEET	1	58	714-3006-81	MACHINE SCREW	1
20	750-3173-00	SPRING	2	59	331-1766-00	IC-HOLDER	1
21	750-2796-0L	SPRING	2	60	309-0664-20	FRONT PLATE	1
22	285-1340-00	GUIDE LABEL	1	61	017-9000-00	PILOT LAMP	3
23	285-1426-00	GUIDE LABEL	1	62	076-0522-00	PLUG	1
24	331-1825-00	EARTH PLATE	1	63	051-6016-00	IC	1
25	714-3006-81	MACHINE SCREW	1	64	379-9009-00	INDICATOR	1
26	345-7740-00	RUBBER SHEET	1	65	335-5022-00	LCD HOLDER	1
27	074-1115-01	OUTLET SOCKET	1	66	335-5021-00	LCD ILLUMI	1
28	039-0602-00	ISO PWB	1	67	345-4441-65	LAMP CAP (E-A:AMBER)	3
29	060-0057-56	AUTO-FUSE (10A)	1		345-2830-20	LAMP CAP (E-B:GREEN)	
30	DCP-088-300	DCP-ASSY (E-A:AMBER)	1	68	347-5225-00	FILM	1
30	DCP-088-301	DCP-ASSY (E-B:GREEN)	1	69	347-5226-00	SHADE	1
31	335-4874-00	ILLUMI-PLATE	1	70	331-1784-00	LCD-CVR	1
32	335-5018-00	REAR-CVR	1	71	013-3812-11	SWITCH	2
33	335-5019-00	ILLUMI PLATE L (L)	1	72	039-0608-00	SW PWB	1
34	335-5020-00	ILLUMI PLATE L (R)	1	73	013-6002-50	SWITCH	12
35	345-7710-00	SPONGE (L)	1	74	305-0242-20	SIDE-CVR(L)	1
36	345-7711-00	SPONGE (R)	1	75	305-0247-20	SIDE-CVR	1
37	370-5574-06	ESCUTCHEON	1	76	102-3420-00	TRANSISTOR	1
38	382-4075-00	BUTTON (BAND/AS)	1	77	092-9000-00	ANT-RECEPT	1
39	716-1674-0L	P-TIGHT SCREW	6				

## ■ ADJUSTMENTS

ITEM	PROCEDURE	Measuring instrument
VF-SK	1)Connect the digital volt-meter to TP1. 2)Input the 98.1MHz/65dB signal (NO MOD.)SK+BK=ON,DK=OFF. 3)Adjust the reading of digital volt-meter to maximum by L301.	SSG Digital volt-meter
VF-DK	1)Connect the digital volt-meter to TP2. 2)Input the 98.1MHz/65dB signal (NO MOD.)SK+BK+DK=ON and VF switch is turn ON. 3)Adjust the reading of digital volt-meter to maximum by VR301	SSG Digital volt-meter

## ■ PARTS LIST

### MECH PWB(CD MECHANISM)

REF No.	PART No.	DESCRIPTION
C 10	178-1032-78	0.01uF
C 11	182-1063-32	16V10uF
C 12	178-1042-78	0.1uF
C 13	182-1073-12	6.3V100uF
C 14	178-1032-78	0.01uF
C 15	182-2263-12	6.3V22uF
C 16	178-1032-78	0.01uF
C 17	178-1042-78	0.1uF
C 18	178-1042-78	0.1uF
C 19	176-1007-00	10pF CH
C 20	178-1042-78	0.1uF
C 21	182-2263-12	6.3V22uF
C 22	176-2096-00	2pF CJ
C 23	178-1042-78	0.1uF
C 24	178-1022-78	1000pF
C 25	176-1007-00	10pF CH
C 26	176-1007-00	10pF CH
C 27	182-1073-12	6.3V100uF
C 28	178-1042-78	0.1uF
C 29	182-1073-12	6.3V100uF
C 30	178-1042-78	0.1uF
C 31	176-1007-00	10pF CH
C 32	178-2212-78	220pF
C 33	178-1042-78	0.1uF
C 34	178-2212-78	220pF
C 35	178-1032-78	0.01uF

Note)Several different parts of the same reference number are alternative parts.  
One of those parts is used in the set.

REF No.	PART No.	DESCRIPTION
C 36	178-4732-78	0.047uF
C 37	178-1522-78	1500pF
C 38	178-1032-78	0.01uF
C 39	042-0230-00	35V0.47uF
C 40	178-1032-78	0.01uF
C 41	178-1042-78	0.1uF
C 42	178-2222-78	2200pF
C 100	182-4763-12	6.3V47uF
C 101	182-4763-12	6.3V47uF
C 102	178-1032-78	0.01uF
C 103	182-1073-32	16V100uF
D 1	001-0563-00	GL380
D 2	001-0563-00	GL380
D 3	001-0563-00	GL380
IC 1	051-1014-10	TA7291S
IC 2	051-6015-05	BA6392FP
IC 3	051-6314-05	TC9404FN
IC 4	051-1971-00	CXA16010M
IC 5	051-6313-00	CXD2545Q
L 1	010-2155-03	10uH
L 2	010-2155-03	10uH
L 3	010-2155-03	10uH
Q 1	101-1237-00	2SB1237
R 10	111-2711-91	1/4WS 270ohm
R 11	117-8231-10	1/10W 82kohm
R 12	117-1031-10	1/10W 10kohm

REF No.	PART No.	DESCRIPTION
R 14	117-5631-10	1/10W 56kohm
R 15	117-2731-10	1/10W 27kohm
R 16	117-2211-10	1/10W 220ohm
R 17	117-2211-10	1/10W 220ohm
R 18	117-1031-10	1/10W 10kohm
R 19	117-2231-10	1/10W 22kohm
R 20	117-4721-10	1/10W 4.7kohm
R 21	117-2231-10	1/10W 22kohm
R 22	117-4711-10	1/10W 470ohm
R 23	117-1011-10	1/10W 100ohm
R 24	117-1021-10	1/10W 1kohm
R 25	117-1001-10	1/10W 10ohm
R 26	117-3331-10	1/10W 33kohm
R 27	117-3631-10	1/10W 36kohm
R 28	117-1241-10	1/10W 120kohm
R 29	117-3631-10	1/10W 36kohm
R 30	117-1041-10	1/10W 100kohm
R 31	117-1031-10	1/10W 10kohm
R 32	117-6821-10	1/10W 6.8kohm
R 33	117-3321-10	1/10W 3.3kohm
R 34	117-1051-10	1/10W 1Mohm
R 35	117-1041-10	1/10W 100kohm
R 36	117-1031-10	1/10W 10kohm
X 1	060-1014-00	16.9344MHz

### SENSOR PWB(CD MECHANISM)

REF No.	PART No.	DESCRIPTION
Q 101	060-0252-01	PT4850F
Q 102	060-0252-01	PT4850F
Q 103	060-0252-01	PT4850F

# MAIN PWB(DRB3275V)

REF No.	PART No.	DESCRIPTION
C 101	178-1032-05	0.01uF
C 102	178-1032-05	0.01uF
C 103	176-1801-00	18pF CH
C 104	042-9003-00	10V100uF
C 105	178-1032-05	0.01uF
C 106	178-2732-05	0.027uF
C 107	178-2732-05	0.027uF
C 111	181-3353-62	50V3.3uF
C 112	178-1032-05	0.01uF
C 114	171-1022-76	1000pF
C 201	178-1022-05	1000pF
C 202	178-1022-05	1000pF
C 203	178-1022-05	1000pF
C 204	177-1032-55	0.01uF
C 204	178-1022-05	1000pF
C 301	177-2242-05	0.22uF
C 302	177-1042-05	0.1uF
C 303	176-5601-00	56pF CH
C 304	043-0497-00	0.068uF
C 305	043-0497-00	0.068uF
C 306	182-4753-63	50V4.7uF
C 307	043-0214-00	3300pF
C 308	177-1542-05	0.15uF
C 309	178-1832-55	0.018uF
C 310	177-6832-55	0.068uF
C 311	177-1042-05	0.1uF
C 312	173-4731-19	0.047uF
C 401	182-1063-33	16V10uF
C 402	182-4763-23	10V47uF
C 403	182-1063-33	16V10uF
C 404	178-4732-05	0.047uF
C 405	182-1063-33	16V10uF
C 406	171-1032-06	0.01uF Y5R
C 407	182-4763-23	10V47uF
C 501	177-1042-05	0.1uF
C 502	182-4763-13	6.3V47uF
C 503	171-1043-96	0.1uF
C 505	176-1011-00	100pF CH
C 507	176-1011-00	100pF CH
C 508	176-2201-00	22pF CH
C 509	176-2201-00	22pF CH
C 510	182-1063-33	16V10uF
C 511	176-1011-00	100pF CH
C 512	177-1042-05	0.1uF
C 513	171-1022-76	1000pF
C 514	171-1022-06	1000pF
C 515	171-1043-96	0.1uF
C 516	177-1042-05	0.1uF
C 517	171-1022-76	1000pF
C 518	171-1022-76	1000pF
C 519	178-4732-05	0.047uF
C 520	171-1022-76	1000pF
C 521	178-1022-05	1000pF
C 601	182-2253-63	50V2.2uF
C 602	182-2253-63	50V2.2uF
C 604	182-1063-33	16V10uF
C 605	182-1063-33	16V10uF
C 606	178-4732-05	0.047uF
C 607	174-5600-13	56pF CH
C 608	174-5600-13	56pF CH
C 609	176-1511-00	150pF CH
C 610	182-4753-63	50V4.7uF
C 611	182-4753-63	50V4.7uF
C 612	176-1511-00	150pF CH
C 613	178-8232-55	0.082uF
C 614	182-2253-63	50V2.2uF
C 615	178-8232-55	0.082uF
C 616	182-2253-63	50V2.2uF
C 617	182-2263-33	16V22uF
C 618	182-2263-33	16V22uF
C 619	178-5622-05	5600pF
C 620	178-5632-05	0.056uF

REF No.	PART No.	DESCRIPTION
C 621	178-5622-05	5600pF
C 622	178-5622-05	5600pF
C 623	178-5632-05	0.056uF
C 624	178-5622-05	5600pF
C 625	182-1063-33	16V10uF
C 626	182-1063-33	16V10uF
C 627	182-4763-23	10V47uF
C 628	042-9003-00	10V100uF
C 701	182-1053-63	50V1uF
C 702	042-9002-00	50V0.47uF
C 703	042-9002-00	50V0.47uF
C 704	042-9002-00	50V0.47uF
C 705	042-9002-00	50V0.47uF
C 706	178-2232-05	0.022uF
C 707	178-1022-05	1000pF
C 708	173-1042-10	0.1uF
C 709	042-0447-00	16V2200uF
D 101	060-0122-10	DSP-201M-S00B
D 401	001-0376-32	MTZJ5.6B
D 402	001-0352-00	1SS176
D 403	001-0352-00	1SS176
D 404	001-0376-48	MTZJ9.1C
D 405	001-0376-32	MTZJ5.6B
D 406	001-0376-45	MTZJ8.2C
D 407	001-0352-00	1SS176
D 408	001-0376-41	MTZJ7.5B
D 409	001-0352-00	1SS176
D 601	001-0346-21	MTZ3.9JB
D 701	001-0376-29	MTZJ5.1B
D 702	001-0352-00	1SS176
D 703	001-0188-01	1S1885A
IC 301	051-1817-00	TDA1581T
IC 501	052-1903-01	LC72366-9205
IC 601	051-5008-00	M62419FP
IC 701	051-2009-00	TDA8561Q
IC 702	051-2009-00	TDA8561Q
L 102	010-9000-01	120uH
L 301	010-9006-00	
L 401	010-9000-02	220uH
L 501	009-9006-60	
L 502	010-9000-02	220uH
Q 101	102-2458-51	2SC2458Y.GR.BL
Q 102	102-2458-51	2SC2458Y.GR.BL
Q 401	102-2458-00	2SC2458
Q 402	103-1858-00	2SD1858
Q 403	103-1858-00	2SD1858
Q 404	103-1858-00	2SD1858
Q 405	103-1858-00	2SD1858
Q 406	125-0003-02	RN2202
Q 407	125-2003-02	RN1202
Q 408	102-3420-00	2SC3420
Q 409	125-0003-02	RN2202
Q 410	125-2003-02	RN1202
Q 411	101-1243-00	2SB1243
Q 412	125-2003-02	RN1202
Q 501	125-0003-02	RN2202
Q 502	102-2458-00	2SC2458
Q 503	125-0003-02	RN2202
Q 701	125-2003-02	RN1202
R 55	117-1041-10	1/10W 100kohm
R 101	117-4731-10	1/10W 47kohm
R 102	117-2221-10	1/10W 2.2kohm
R 103	117-6821-10	1/10W 6.8kohm
R 104	117-1831-10	1/10W 18kohm
R 109	111-4721-91	1/4WS 4.7kohm
R 110	111-2221-91	1/4WS 2.2kohm
R 111	111-1021-91	1/4WS 1kohm
R 301	117-2241-10	1/10W 220kohm
R 302	117-6841-10	1/10W 680kohm
R 304	117-1041-10	1/10W 100kohm
R 305	117-4721-10	1/10W 4.7kohm
R 306	117-6831-10	1/10W 68kohm

REF No.	PART No.	DESCRIPTION
R 307	117-3331-10	1/10W 33kohm
R 308	117-1051-10	1/10W 1Mohm
R 308	117-3311-10	1/10W 330ohm
R 309	117-2731-10	1/10W 27kohm
R 310	117-1041-10	1/10W 100kohm
R 401	111-1531-91	1/4WS 15kohm
R 402	111-1021-91	1/4WS 1kohm
R 403	111-1091-91	1/4WS 1ohm
R 404	111-1091-91	1/4WS 1ohm
R 405	111-4711-91	1/4WS 470ohm
R 406	111-1091-91	1/4WS 1ohm
R 407	111-1091-91	1/4WS 1ohm
R 408	111-2211-91	1/4WS 220ohm
R 409	111-3311-91	1/4WS 330ohm
R 410	111-5611-81	1/2WS 560ohm
R 411	111-1031-91	1/4WS 10kohm
R 412	117-1531-10	1/10W 15kohm
R 413	111-4711-91	1/4WS 470ohm
R 414	032-0111-29	1/4W 1.8ohm
R 501	117-2231-10	1/10W 22kohm
R 502	117-2231-10	1/10W 22kohm
R 503	111-2731-91	1/4WS 27kohm
R 504	117-1031-10	1/10W 10kohm
R 505	117-1031-10	1/10W 10kohm
R 506	117-4721-10	1/10W 4.7kohm
R 507	117-1031-10	1/10W 10kohm
R 508	111-2221-91	1/4WS 2.2kohm
R 509	111-1031-91	1/4WS 10kohm
R 510	111-1031-91	1/4WS 10kohm
R 511	117-2221-10	1/10W 2.2kohm
R 512	117-2221-10	1/10W 2.2kohm
R 513	117-1041-10	1/10W 100kohm
R 514	117-1041-10	1/10W 100kohm
R 516	117-1031-10	1/10W 10kohm
R 517	117-1021-10	1/10W 1kohm
R 601	117-4731-10	1/10W 47kohm
R 602	117-4731-10	1/10W 47kohm
R 603	117-6831-10	1/10W 68kohm
R 604	117-6831-10	1/10W 68kohm
R 605	117-6821-10	1/10W 6.8kohm
R 606	117-6821-10	1/10W 6.8kohm
R 608	117-8221-10	1/10W 8.2kohm
R 609	117-3031-10	1/10W 30kohm
R 611	117-8221-10	1/10W 8.2kohm
R 612	117-3031-10	1/10W 30kohm
R 613	111-3311-91	1/4WS 330ohm
R 701	117-3321-10	1/10W 3.3kohm
R 702	111-2231-91	1/4WS 22ohm
R 703	117-4721-10	1/10W 4.7ohm
R 704	117-4721-10	1/10W 4.7ohm
R 705	117-4721-10	1/10W 4.7ohm
R 706	117-4721-10	1/10W 4.7ohm
VR 301	012-9000-00	
X 501	061-1064-00	4.5MHz

## MAIN PWB(DRB4275E)

REF No.	PART No.	DESCRIPTION
C 101	178-1032-05	0.01uF
C 102	178-1032-05	0.01uF
C 103	176-1801-00	18pF CH
C 104	042-9003-00	10V100uF
C 105	178-1032-05	0.01uF
C 106	178-2732-05	0.027uF
C 107	178-2732-05	0.027uF
C 108	178-1032-05	0.01uF
C 109	178-3332-05	0.033uF
C 110	178-1032-05	0.01uF
C 111	181-3353-62	50V3.3uF
C 112	178-1032-05	0.01uF
C 113	042-9002-00	50V0.47uF
C 114	171-1022-76	1000pF

REF No.	PART No.	DESCRIPTION
C 115	171-1032-06	0.01uF Y5R
C 203	178-1022-05	1000pF
C 204	178-1022-05	1000pF
C 401	182-1063-33	16V10uF
C 402	182-4763-23	10V47uF
C 403	182-1063-33	16V10uF
C 404	178-4732-05	0.047uF
C 405	182-1063-33	16V10uF
C 406	171-1032-06	0.01uF Y5R
C 407	182-4763-23	10V47uF
C 501	177-1042-05	0.1uF
C 502	182-4763-13	6.3V47uF
C 503	171-1043-96	0.1uF
C 504	176-1011-00	100pF CH
C 505	176-1011-00	100pF CH
C 506	176-1011-00	100pF CH
C 507	176-1011-00	100pF CH
C 508	176-2201-00	22pF CH
C 509	176-2201-00	22pF CH
C 510	182-1063-33	16V10uF
C 511	176-1011-00	100pF CH
C 512	177-1042-05	0.1uF
C 513	171-1022-76	1000pF
C 514	171-1022-76	1000pF
C 515	171-1043-96	0.1uF
C 516	177-1042-05	0.1uF
C 517	171-1032-06	0.01uF Y5R
C 518	171-1022-76	1000pF
C 519	178-4732-05	0.047uF
C 520	171-1022-06	1000pF
C 521	178-1022-05	1000pF
C 601	182-2253-63	50V2.2uF
C 602	182-2253-63	50V2.2uF
C 603	182-3343-63	50V0.33uF
C 604	182-1063-33	16V10uF
C 605	182-1063-33	16V10uF
C 606	178-4732-05	0.047uF
C 606	182-2253-63	50V2.2uF
C 607	174-5600-13	56pF CH
C 608	174-5600-13	56pF CH
C 609	176-1511-00	150pF CH
C 610	182-4753-63	50V4.7uF
C 611	182-4753-63	50V4.7uF
C 612	176-1511-00	150pF CH
C 613	178-8232-55	0.082uF
C 614	182-2253-63	50V2.2uF
C 615	178-8232-55	0.082uF
C 617	182-2263-33	16V22uF
C 618	182-2263-33	16V22uF
C 619	178-5622-05	5600pF
C 620	178-5632-05	0.056uF
C 621	178-5622-05	5600pF
C 622	178-5622-05	5600pF
C 623	178-5632-05	0.056uF
C 624	178-5622-05	5600pF
C 625	182-1063-33	16V10uF
C 626	182-1063-33	16V10uF
C 627	182-4763-23	10V47uF
C 628	042-9003-00	10V100uF
C 701	182-1053-63	50V1uF
C 702	042-9002-00	50V0.47uF
C 703	042-9002-00	50V0.47uF
C 704	042-9002-00	50V0.47uF
C 705	042-9002-00	50V0.47uF
C 706	178-2232-05	0.022uF
C 707	178-1022-05	1000pF
C 708	173-1042-10	0.1uF
C 709	042-0447-00	16V2200uF
D 101	060-0122-10	DSP-201M-S00B
D 401	001-0376-32	MTZJ5.6B
D 402	001-0352-00	1SS176
D 403	001-0352-00	1SS176

REF No.	PART No.	DESCRIPTION
D 404	001-0376-48	MTZJ9.1C
D 405	001-0376-32	MTZJ5.6B
D 406	001-0376-45	MTZJ8.2C
D 407	001-0352-00	1SS176
D 408	001-0376-41	MTZJ7.5B
D 409	001-0352-00	1SS176
D 601	001-0346-21	MTZ3.9JB
D 701	001-0376-29	MTZJ5.1B
D 702	001-0352-00	1SS176
D 703	001-0188-01	1S1885A
IC 501	052-1903-01	LC72366-9205
IC 601	051-5008-00	M62419FP
IC 701	051-2009-00	TDA8561Q
IC 702	051-2009-00	TDA8561Q
L 101	010-9000-05	5.6uH
L 102	010-9000-01	120uH
L 401	010-9000-02	220uH
L 501	009-9006-60	
L 502	010-9000-02	220uH
Q 101	102-2458-51	2SC2458Y.GR.BL
Q 102	102-2458-51	2SC2458Y.GR.BL
Q 103	125-2003-02	RN1202
Q 104	100-1548-00	2SA1548
Q 105	100-1548-00	2SA1548
Q 401	102-2458-00	2SC2458
Q 402	103-1858-00	2SD1858
Q 403	103-1858-00	2SD1858
Q 404	103-1858-00	2SD1858
Q 405	103-1858-00	2SD1858
Q 406	125-0003-02	RN2202
Q 407	125-2003-02	RN1202
Q 408	102-3420-00	2SC3420
Q 409	125-0003-02	RN2202
Q 410	125-2003-02	RN1202
Q 411	101-1243-00	2SB1243
Q 412	125-2003-02	RN1202
Q 501	125-0003-02	RN2202
Q 502	102-2458-00	2SC2458
Q 503	125-0003-02	RN2202
Q 701	125-2003-02	RN1202
R 101	117-4731-10	1/10W 47kohm
R 102	117-2221-10	1/10W 2.2kohm
R 103	117-6821-10	1/10W 6.8kohm
R 104	117-1831-10	1/10W 18kohm
R 105	117-3931-10	1/10W 39kohm
R 106	111-1031-91	1/4WS 10kohm
R 108	117-2221-10	1/10W 2.2kohm
R 109	111-4721-91	1/4WS 4.7kohm
R 110	111-2221-91	1/4WS 2.2kohm
R 111	111-1021-91	1/4WS 1kohm
R 112	111-1031-91	1/4WS 10kohm
R 113	111-1031-91	1/4WS 10kohm
R 114	111-2221-91	1/4WS 2.2kohm
R 115	117-2221-10	1/10W 2.2kohm
R 120	117-2231-10	1/10W 22kohm
R 401	111-1531-91	1/4WS 15kohm
R 402	111-1021-91	1/4WS 1kohm
R 403	111-1091-91	1/4WS 1ohm
R 404	111-1091-91	1/4WS 1ohm
R 405	111-4711-91	1/4WS 470ohm
R 406	111-1091-91	1/4WS 1ohm
R 407	111-1091-91	1/4WS 1ohm
R 408	111-2211-91	1/4WS 220ohm
R 409	111-3311-91	1/4WS 330ohm
R 410	111-5611-81	1/2WS 560ohm
R 411	111-1031-91	1/4WS 10kohm
R 412	117-1531-10	1/10W 15kohm
R 413	111-4711-91	1/4WS 470ohm
R 414	032-0111-29	1/4W 1.8ohm
R 501	117-2231-10	1/10W 22kohm
R 502	117-2231-10	1/10W 22kohm
R 503	111-2731-91	1/4WS 27kohm

REF No.	PART No.	DESCRIPTION
R 504	117-1031-10	1/10W 10kohm
R 505	117-1031-10	1/10W 10kohm
R 506	117-4721-10	1/10W 4.7kohm
R 507	117-1031-10	1/10W 10kohm
R 508	111-2221-91	1/4WS 2.2kohm
R 509	111-1031-91	1/4WS 10kohm
R 511	117-2221-10	1/10W 2.2kohm
R 512	117-2221-10	1/10W 2.2kohm
R 513	117-1041-10	1/10W 100kohm
R 514	117-1041-10	1/10W 100kohm
R 515	117-1041-10	1/10W 100kohm
R 516	117-1031-10	1/10W 10kohm
R 517	117-1021-10	1/10W 1kohm
R 601	117-4731-10	1/10W 47kohm
R 602	117-4731-10	1/10W 47kohm
R 603	117-6831-10	1/10W 68kohm
R 604	117-6831-10	1/10W 68kohm
R 605	117-6821-10	1/10W 6.8kohm
R 606	117-6821-10	1/10W 6.8kohm
R 607	117-1831-10	1/10W 18kohm
R 608	117-8221-10	1/10W 8.2kohm
R 609	117-3031-10	1/10W 30kohm
R 610	117-1831-10	1/10W 18kohm
R 611	117-8221-10	1/10W 8.2kohm
R 612	117-3031-10	1/10W 30kohm
R 613	111-3311-91	1/4WS 330ohm
R 701	117-3321-10	1/10W 3.3kohm
R 702	111-2231-91	1/4WS 22kohm
R 703	117-4721-10	1/10W 4.7kohm
R 704	117-4721-10	1/10W 4.7kohm
R 705	117-4721-10	1/10W 4.7kohm
R 706	117-4721-10	1/10W 4.7kohm
X 501	061-1064-00	4.5MHz

#### SWITCH PWB(DRB3275V/4275E)

REF No.	PART No.	DESCRIPTION
C 101	182-1063-33	16V10uF
C 102	178-6812-05	680pF
C 103	178-4735-06	0.047uF
D 101	001-0352-00	1SS176
IC 101	051-6016-00	LC75852W
R 101	117-1021-10	1/10W 1kohm
R 102	117-1021-10	1/10W 1kohm
R 103	117-1021-10	1/10W 1kohm
R 105	117-1031-10	1/10W 10kohm
R 106	117-2231-10	1/10W 22kohm
R 107	117-6831-10	1/10W 68kohm
R 108	117-2731-10	1/10W 27kohm
R 109	117-6821-10	1/10W 6.8kohm
S 101	013-3640-02	
S 102	013-3640-02	
S 103	013-3640-02	
S 104	013-3812-11	
S 105	013-3640-02	
S 106	013-3640-02	
S 107	013-3640-02	
S 108	013-3640-02	
S 109	013-3640-02	
S 110	013-3640-02	
S 111	013-3640-02	
S 112	013-3640-02	
S 113	013-3640-02	
S 114	013-3640-02	
S 115	013-3812-11	

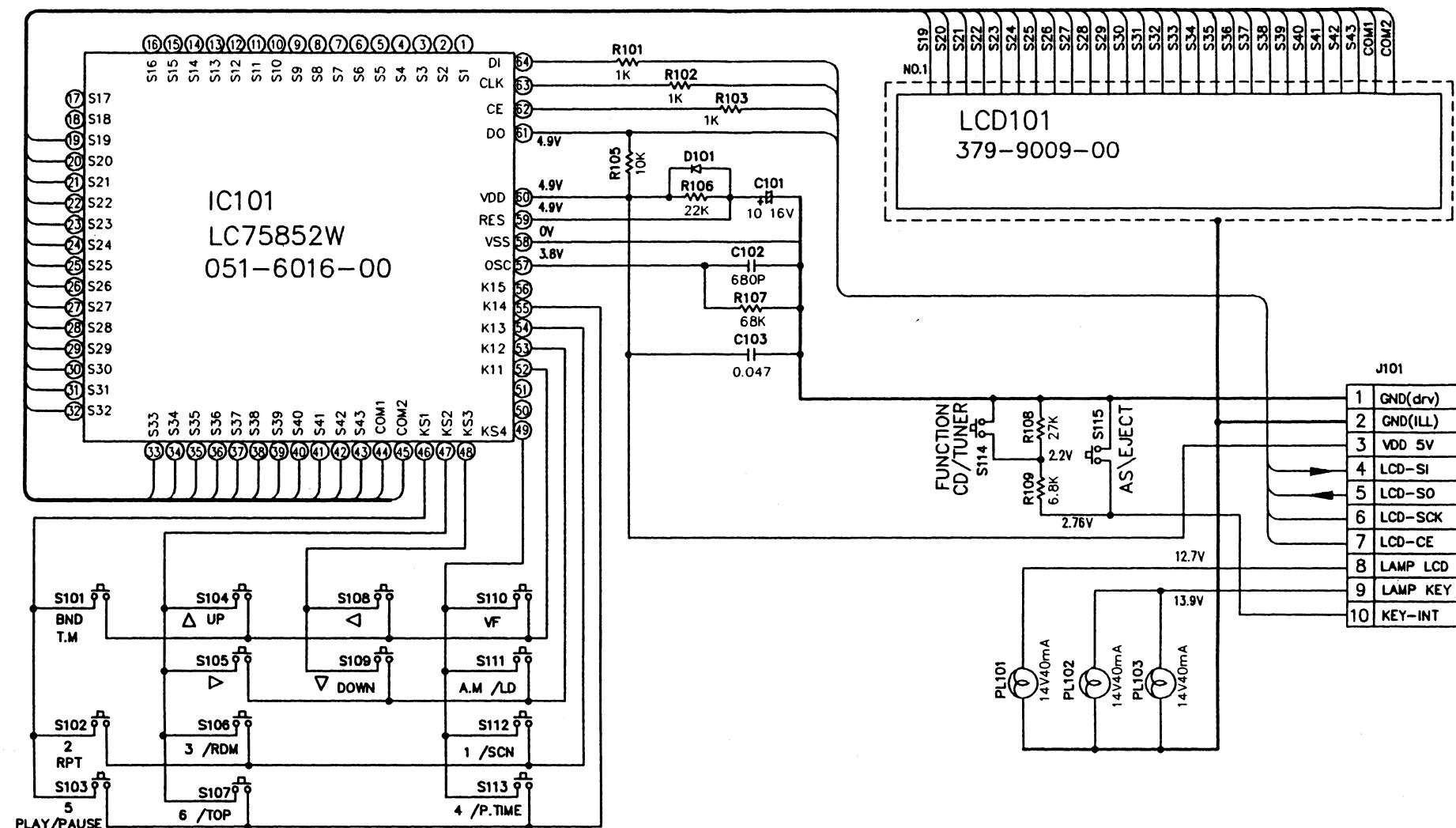
DRB3275V  
DRB4275E



## ■ CIRCUIT DIAGRAM

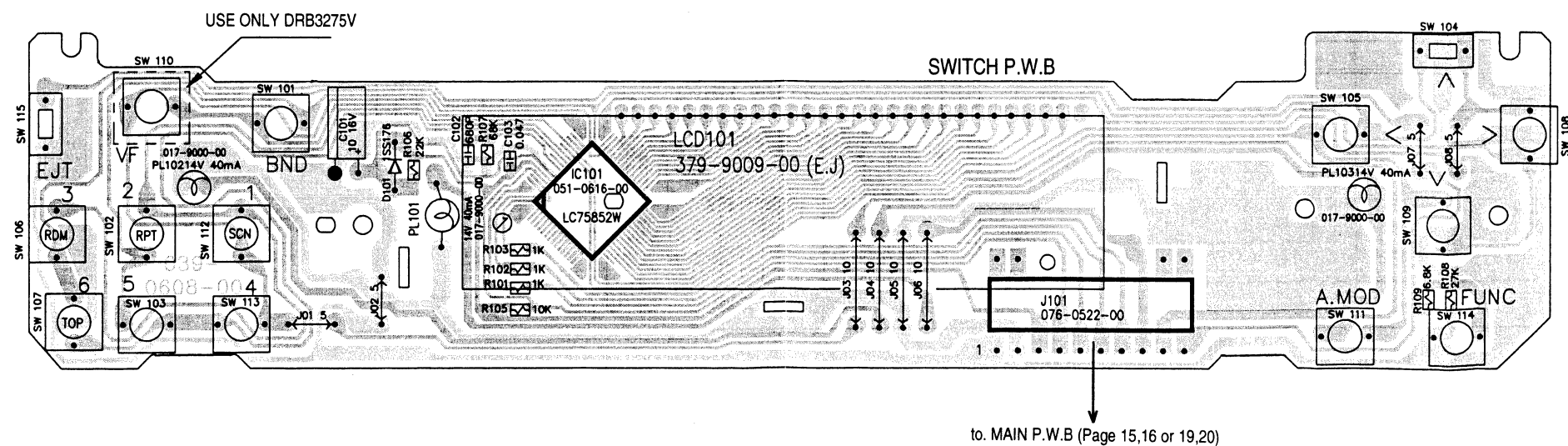
SWITCH P.W.B SECTION (DRB3275V/4275E)

SWITCH P.W.B SECTION (DRB3275V/4275E)



**PRINTED WIRING BOARD**  
SWITCH P.W.B SECTION (DRB3275V/4275E)

SWITCH P.W.B SECTION (DRB3275V/4275E)



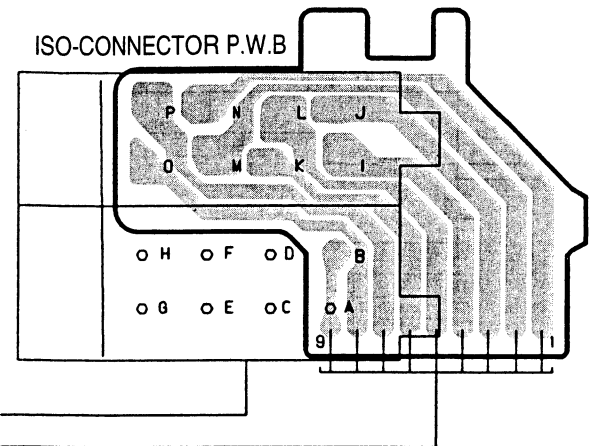
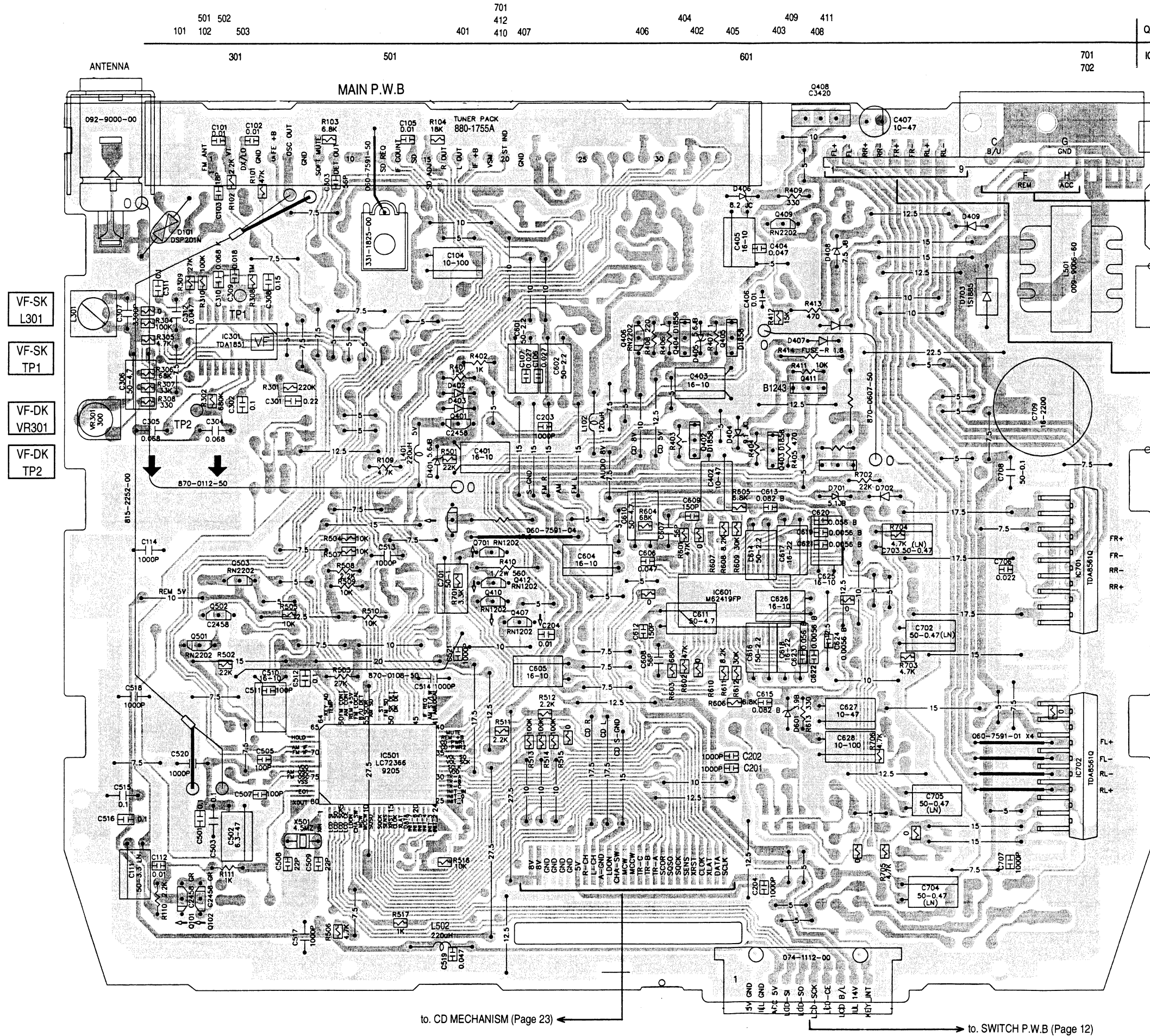
to. MAIN P.W.B (Page 15,16 or 19,20)

## ■ CIRCUIT DIAGRAM

### MAIN P.W.B SECTION (DRB3275V)



## ■ PRINTED WIRING BOARD



J	L	N	P	
I	K	M	O	
B	D	F	H	
A	C	E	G	

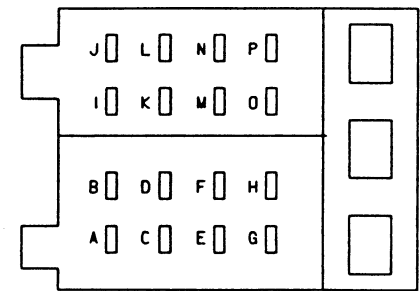
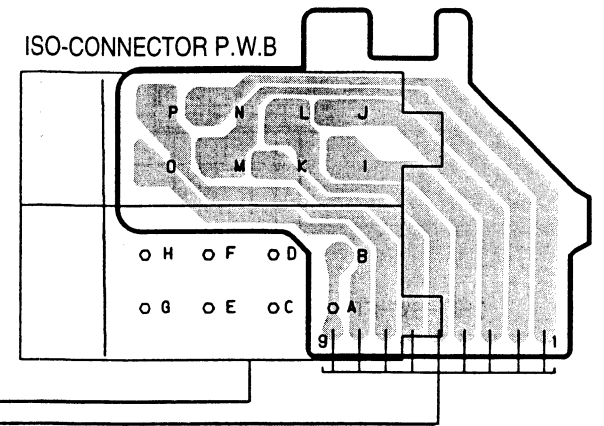
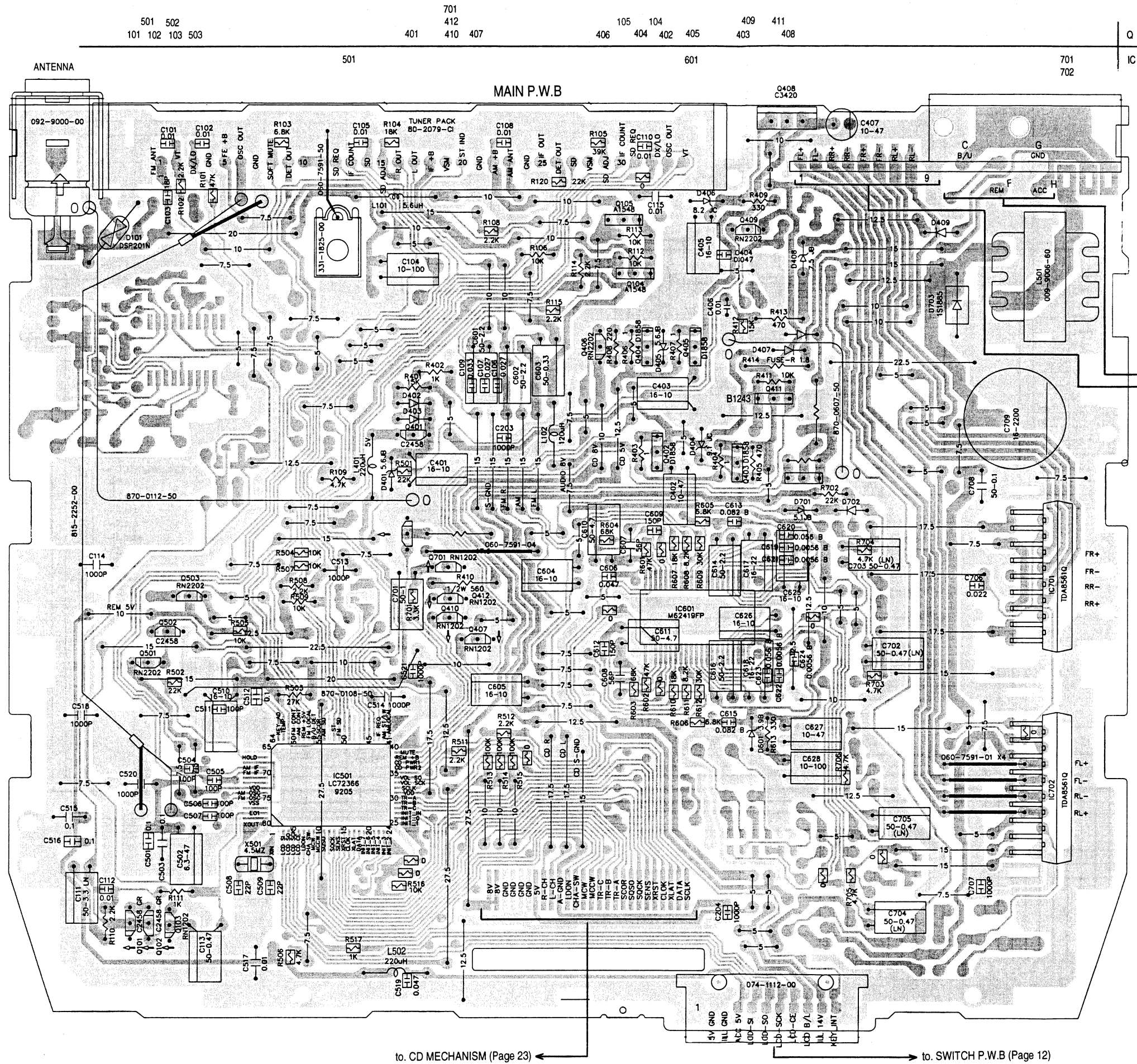
A	
B	
C	BACK UP
D	
E	ILLUMINATION
F	AUTO ANTENNA
G	GND
H	ACC
I	REAR RIGHT SP-
J	REAR RIGHT SP+
K	FRONT RIGHT SP-
L	FRONT RIGHT SP+
M	FRONT LEFT SP-
N	FRONT LEFT SP+
O	REAR LEFT SP-
P	REAR LEFT SP+





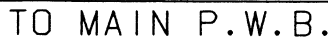
# PRINTED WIRING BOARD

MAIN P.W.B SECTION (DRB4275E)



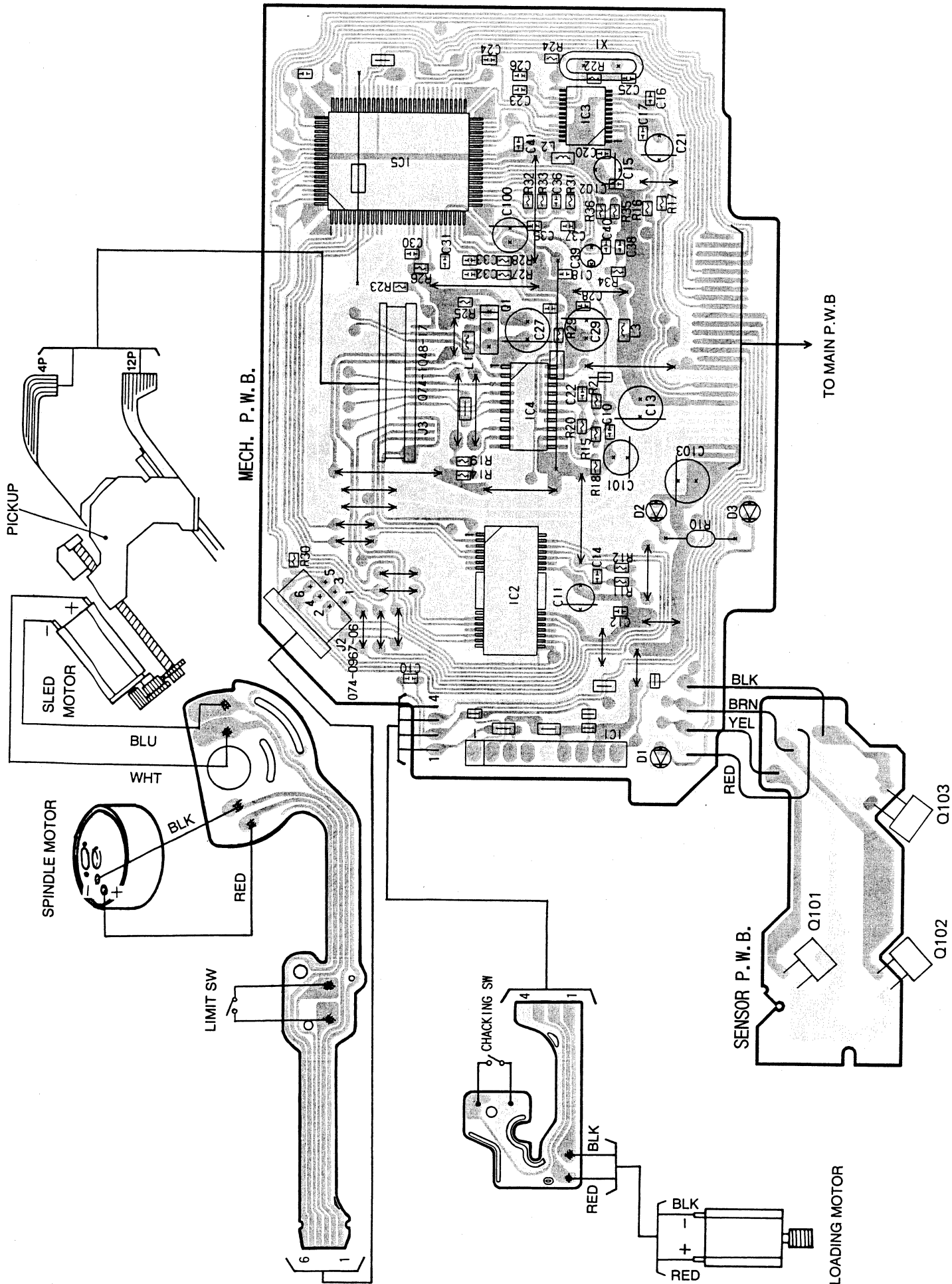
A	
B	
C	BACK UP
D	
E	ILLUMINATION
F	AUTO ANTENNA
G	GND
H	ACC
I	REAR RIGHT SP-
J	REAR RIGHT SP+
K	FRONT RIGHT SP-
L	FRONT RIGHT SP+
M	FRONT LEFT SP-
N	FRONT LEFT SP+
O	REAR LEFT SP-
P	REAR LEFT SP+

## CD MECHANISM SECTION 929-0065-80(BB-CD)



■ PRINTED WIRING BOARD

CD MECHANISM SECTION 929-0065-80(BB-CD)



■ PARTS LIST

CD MECHANISM SECTION 929-0065-80(BB-CD)

NO.	PART NO.	DESCRIPTION	Q'TY	NO.	PART NO.	DESCRIPTION	Q'TY
1	966-0308-06	CHASSIS ASS'Y	1	46	750-3090-02	RO-SPRING-L	1
2	966-0309-04	L-DISC-G-ASS'Y	1	47	750-3091-03	RO-SPRING-R	1
3	966-0310-06	SFT-P-CH-ASS'Y	1	48	750-3092-03	SHIFT SPRING	1
4	HBS-430-100	GEAR-SUB-ASS'Y	1	49	750-3094-00	S-ARM SPRING	1
5	966-0312-06	SHIFT-P-ASS'Y	1	50	750-3096-01	DR-SPRING-R	1
6	SMA-147-100	MOTOR ASS'Y(LOADING)	1	51	750-3098-00	L-LINK SPRING	2
7	966-0358-01	DRIVE-L-PL-ASS'Y	1	52	750-3164-00	DR-SPRING-LR	1
8	966-0359-03	SIDE-L-PL-ASS'Y	1	53	750-3188-00	DR-SP-F-B	1
9	HBS-431-100	PWB ASS'Y	1	54	750-3189-00	SIDE-L-SPRING	1
10	HBS-432-100	LS-GEAR ASS'Y	1	55	750-3201-00	DR-SPRING-F-R	1
11	SMA-146-100	MOTOR ASS'Y(SLED)	1	56	750-3202-00	CENTER SPRING-B	1
12	SMA-151-100	MOTOR ASS'Y(SPINDLE)	1	57	800-4904-60	VINYL COAT WIRE(BLK)	1
13	716-1733-00	SCREW	2	58	800-4910-60	VINYL COAT WIRE(BLK)	1
14	013-3879-01	CHACKING SWITCH	1	59	801-4910-60	VINYL COAT WIRE(BRN)	1
15	039-0586-01	FLEXIBLE PWB	1	60	802-4904-60	VINYL COAT WIRE(RED)	1
16	039-0588-01	SENSOR PWB	1	61	802-4910-60	VINYL COAT WIRE(RED)	1
17	060-0252-01	PHOTO TR (PT4850F)	3	62	804-4910-60	VINYL COAT WIRE(YEL)	1
18	345-7513-01	CLAMPER SHEET	1	63	816-2372-00	VINYL COAT WIRE(BLU)	1
19	345-7514-00	S-PEB-SHEET	1	64	816-2373-00	VINYL COAT WIRE(WHT)	1
20	620-0485-03	FRONT PLATE	1	65	013-7100-00	LIMIT SWITCH	1
21	620-0488-01	S-L-LINK PLATE	1	66	620-0198-03	CLAMPER PLATE	1
22	620-0489-01	MOTOR PLATE	1	67	620-0491-02	SPRING PLATE	1
23	620-0492-01	MOTOR BRACKET	1	68	620-0690-00	RATTLE PLATE	1
24	620-0691-03	MECHA BRACKET	1	69	621-0205-02	CLAMPER PLATE	1
25	621-0242-02	U-DISC GUIDE	1	70	621-0251-02	LOCK LINK	1
26	621-0243-02	ROLLER SLEEVE	2	71	621-0252-03	DISC STOPPER	1
27	621-0248-06	RACK GEAR	1	72	621-0253-01	MOTOR HOLDER	1
28	621-0249-02	ROLLER GEAR	1	73	621-0255-02	SECOND GEAR	1
29	621-0250-01	DAMPER HOLDER	4	74	621-0257-05	SCREW HOLDER	1
30	621-0258-03	LOADING ROLLER	2	75	621-0357-01	PICKUP GUIDE	1
31	622-1072-04	ROLER SHAFT	1	76	621-0358-02	LS-HOLDER-F	1
32	622-1219-01	SHIFT ROLLER	1	77	621-0359-02	LS-HOLDER-R	1
33	629-0058-00	DAMPER-DL	4	78	622-1073-02	CLAMPER ROLLER	1
34	714-2003-81	MACHINE SCREW(M2X3)	18	79	716-0675-00	SCREW	2
35	714-2603-81	MACHINE SCREW(M2.6X3)	5	80	716-1555-00	WAVE SCREW	1
36	716-1468-00	SCREW	4	81	732-2004-11	SEMS SCREW	2
37	716-1507-00	SCREW	2	82	739-1735-17	PRECISION SCREW	2
38	716-1670-00	SCREW	6	83	750-3097-02	CLAMPER SPRING	1
39	716-1677-00	SCREW	1	84	750-3099-00	ES-SPRING	1
40	716-1704-00	SCREW	1	85	746-0761-00	WASHER	2
41	716-1742-00	SCREW	1	86	966-0314-01	STOP LINK ASS'Y	1
42	743-1500-10	E-RING	3	87	966-0447-02	DR-PLATE ASS'Y	1
43	746-0712-03	WASHER	1	88	966-0448-00	SIDE PLATE ASS'Y	1
44	746-0762-00	WASHER	1	89	966-0449-00	CLAMP LINK ASS'Y	1
45	746-0877-02	WASHER	2	90	969-0005-00	PICKUP UNIT ASS'Y	1



## CD MECHANISM SECTION 929-0065-80(BB-CD)

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